

5

SEQUENCE LISTING

<110> Gorlach, Jorn
 An, Yong-Qiang
 10 Hamilton, Carol M.
 Price, Jennifer L.
 Raines, Tracy M.
 Yu, Yang
 Rameaka, Joshua G.
 15 Page, Amy
 Matthew, Abraham V.
 Ledford, Brooke L.
 Woessner, Jeffrey P.
 Haas, William David
 20 Garcia, Carlos A.
 Kricker, Maja
 Slader, Ted
 Davis, Keith R.
 Allen, Keith
 25 Hoffman, Neil
 Hurban, Patrick

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aatcaggtat tgcttccttt atgttatgaa tgctgcttag tgcatagtca gcacctggaa 240
ctagcactga ttccccaca aacacggttt ttagccctgt tgcttttagca ctacgcatgt 300
tacgaatact gtcacgaag aatatcggtt tgctggtgac aacaatgtct gcaatgcgaa 360
20 ttgcagcttc aaatgcttcn nnnagagggt tacagaggat ttgagtgttt gaatcagaag 420
aagggtttag tgttt 435

<210> 28
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25 <212> DNA
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<220>
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30 <222> (1) ... (435)
<223> n = A,T,C or G

<400> 28
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aaaataacag aagtccaaaa aaaattccac aaagtaaga aattttatcga agtggttcat 180
caatttcaag aaaacagaag agtcgttaat ctgaatcaat acatcaatca agctttcgat 240
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cccataaacg gctgcagaac ctcaggaatg tcgacaccat cctctcgctg gtatgttctcg 360
40 agaatgcagc aaatggtntt ctctgttgca gtaagtgtcg aattcagcat atgcacatac 420
tgctttgtct gctca 435

<210> 29
<211> 435
45 <212> DNA
<213> Arabidopsis thaliana

<400> 29
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ctccagtgag gtgtgcaaca catctcttct cagccaacag ttccgcttcc gacttggcga 360
55 ttcgttggcg aaggtagtca tcaatttcta catccttgac aagttcataa tctccatctc 420
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<210> 30
<211> 435
60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 30
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10 ggtgtgatta catgccttcc gatcgtaaaa actggatggc cggcgttcga cctgaaaagc 180
ttcacatcaa caagatcgtc tggcctggga cgcacgactc tgccaccaac aaaatcggt 240
tccgattcgt gtctcgtccc tttgctaagt gccaatctct ctccatctat aaccagctcg 300
tggcgggtac tcgagtcctt gacattcgtg tccaagaaga tcgccgtgta tgcacacggg 360
atcctcaaga cttatagtgt cgacgttgctc ttggccgata tcaaacgggt tctatccgaa 420
15 acagagtcgg agatt 435

<210> 31
<211> 435
<212> DNA
20 <213> Arabidopsis thaliana

<220>
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<222> (1)...(435)
25 <223> n = A,T,C or G

<400> 31
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30 ggtaaaatta ctaattttaag tgtttgtttg tcnmnttagg tccgttcann caacgggctc 180
ttctcacact cgaggagaag agtcttacct acaaaatcca tctgattaac ctctctgaca 240
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tttagccata atctctgaaa ttttacttgt aactggtagc agctttgtgt taaccggaaa 360
tgggattggc ttcattgtgc agcatttgtt taaccggaac ttgaaattgg tggccttggt 420
35 tttatatatg atgca 435

<210> 32
<211> 435
<212> DNA
40 <213> Arabidopsis thaliana

<400> 32
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45 aaatcagtga acggtttgat gggatatgaa gggcttgaag tgattaatcc agaaggaagt 180
acagacgatg cagaggaaga agcagggaga ggaagatgga agcaagagga acgtgatggc 240
tattggaaga tgatgcagaa gtatataggg tctgatgtta catctatggg tactcttctc 300
gtgatcattt ttgaacccat gacaatgttg cagaaaatgg ctgagttgat ggaatactca 360
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50 tcatgggcta tatct 435

<210> 33
<211> 435
<212> DNA
55 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(435)
60 <223> n = A,T,C or G

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 <400> 33
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 tctcagtgcg cgtctcaaga aagctttcaa ggagcttgac acttaccttc aagaacttct 180
 10 agacgagact cttgacccta accgccctaa acaagaaaca gagagtttca ttgatctttt 240
 gatgcagatc tacaaagacc aacctttctc catcaaattc actcacgaaa atgtcaaggc 300
 catgatattg gatattgttg tgccgggaac tgacacggcg gctgcagtgg tggatggggc 360
 catgacttac cttattaagt accctgaagc aatgaagaaa gctcaagacg aagtgaggag 420
 tgtgataggt gacaa 435
 15
 <210> 34
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 20
 <400> 34
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 ttttctgggtg ggcacaaaat taacattttt ttattcagca taataatcac acaacaaaag 120
 cgaactctca ctctctatga ctctttatct tctcgagatt tgcttacaaa gcagtagcat 180
 25 tttgcggtcg ctctatctgg agaggttctt gcaactctgg atttattgga aacaaatggc 240
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 ttggcacagc tcgtggaaca acacaaggat catgacgacc acgcgcaatc atttcggttt 360
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 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
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 ggctttcgtg tgttggaggg agaagagtcg tgatgtttgg agcttaaccg gcctggcgga 180
 40 tcgggtttga ttctacgcca gattgtggat gaatcggtta agagtttgac ttgtttttga 240
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 tacaacagtt aatg 435
 45
 <210> 36
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 50
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 <222> (1) ... (435)
 <223> n = A,T,C or G
 55
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 ggacgtcttt ctacagattga ggtgatacca aactgtagca tcttagctgc agtcggccag 120
 aaaatggcta gtacacctgg agttagttgt acacttttca gtgctttggc gaaggcta 180
 60 attaattgtcc gagctatatc tcaaggttgt tctgagtaca atgttactgt cggtattaaa 240

5 cgtgaagata gcgtaaagmn nntaagagct gtacactcga ggtttttctt gtcaagaaca 300
acattagcaa tgggaatcgt aggaccgggc ttgattgggt caacattact tgaccagctg 360
cgggatcagg ctgctgttct caaacaagaa ttttaacattg atctgcgtgt tttgggaatc 420
acgggttcaa agaag 435

10 <210> 37
<211> 435
<212> DNA
<213> Arabidopsis thaliana

15 <400> 37
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ccctttgaat ctggtctcag gtgtgaggcc aacgcattgta tagtgaaacc attcacctcc 120
ttggcaattc tcattgtcac aggcaatcat gtctccaaag gacacctgat ggcagacaca 180
gtaagttggt tcgtttggat cgattggctg ctcttcaatt ggcataaggt ctttccgatt 240
20 gcttcctgga ggaggcatga gctcaaaatc cctgtcacga tcccagctctc tatctctata 300
atcaatcttc ttgggctgag gtgtgccata gaaggactta cgcttttccg ctttaggaac 360
tataggtagt ggaggaagaa cagagggctc gtctgggtgga atttttccct cttgctttaa 420
atcttctgca aaatt 435

25 <210> 38
<211> 435
<212> DNA
<213> Arabidopsis thaliana

30 <400> 38
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ggttgactag aattcaatag cttcatttca catgaacctg aagatctgcg acgacctctt 120
cttttagtat cagatcgtga tgttttccca gacttaccac cttactaac aagagaagaa 180
tccccagtg acatttttga aacacctcca tcatccttgt ccacattctc ttgcttggtc 240
35 accaaatgaa caaccttctc tttatgcacc tcttcattat catcctcatg cccagaatca 300
acatattcat ccccatcatg agaatcaatc gcatcatcat cctcacgac cctatcaact 360
cctcatttgt ttttctcatg accaccttcc ccaagcgtag ctttatactc agcttcatac 420
atcttcaact cattc 435

40 <210> 39
<211> 435
<212> DNA
<213> Arabidopsis thaliana

45 <400> 39
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aaaactggac agaatatata tcaactaaga atgtggaaag acacacgaat cacacaaacc 120
aaataatagt gaacgctctt tgcatttttg cttattcatc tagcttttcc acttttgtgt 180
ttatccaagt gaggaaatgc ttgtagaatg ttataagccc tgagatcttg ccttggttaag 240
50 atccctatca caggtgacat cctgaagct tgaatcttgg gaaccaccag taaatgtctg 300
agaccactg accggaacag aaccaaagct ttagccactg acatactttg caccactgtg 360
taagggtgtag tgttggtcaa aggatgaaga tcaacataca attgcatctc tgagcttggtg 420
attgcaacat catcg 435

55 <210> 40
<211> 435
<212> DNA
<213> Arabidopsis thaliana

60 <400> 40

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 aactttttatt catattacat tttgattaaa gaagcttcat tagttggggc agcaagtgca 180
 gttgacgcag ctgcaagagg agccgcactt gcacttgcaa tttgcgttgt tctcctcggc 240
 accaacgtcc atgatcatgg cctccttgta gctctcctga gtctcgacga tgtcgaaggt 300
 10 gtagctgggtt cccttcttta cgcactgggt cttgtcagca cagtcgcagc ttccgcagtt 360
 gcttgacatg attgagtttt tgaaaaggct ttaaaggatg tttagttatg aagtgtttga 420
 cctgcccggg cggcc 435

<210> 41
 15 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<400> 41
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 actcttatcc gaaaacacgt gttgacttta gaattcaact gtaacacatg ccgataagtc 180
 atcatcagaa atttaacgac atcaaccttg ccgtcgagaa gcccagaatc cgggtgaagaa 240
 aatatcgtcg aaacatcgca cgaaattttt ttgtttacca cctaaataac actgaacgga 300
 25 actcctaaag aacacaacat aagggaatgg ttatatgcat cggaatattc ttcaatcttt 360
 caaccaagaa ataaccgctt gatagatttc ctgcaaatcg aggtttccaa aatcacaagc 420
 cagaattatt aattt 435

<210> 42
 30 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 35 <221> misc_feature
 <222> (1)...(435)
 <223> n = A,T,C or G

<400> 42
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 ttgacaacaa cacaaatgtg ttgtctgatt agagcttgtg catgataagc tgagcaccga 180
 actgtgggtg aatgggtgatg actgtgtatg gtgcgtgaac ataggaagga gaaatctcaa 240
 acgagaacct ccgcagaatc aatgccattg ccatttttgc cttaacagg gcaaagtctt 300
 45 ggcctatgca tatcctcggg cccacgcaa agggaaagaa ggagacttgg ctctttgttg 360
 ccttnnnnng accatcttta aatctgtcag gattgaactc tgctgcgtcg tttccccaca 420
 gctcgatgct gtgtt 435

<210> 43
 50 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 55 <221> misc_feature
 <222> (1)...(435)
 <223> n = A,T,C or G

<400> 43

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 cgagatgatg aaaacgagac agcggatgac actttgggag ccgaaacaag agaaggttca 180
 cagactgaga agaaaggtga agaagctcct agtcttggtc ttgatcaagt tctagatgat 240
 cttagctcgt ttgatcttgc aaatggactt gtgtcttcca aaacgaaaca gcacaagaag 300
 10 tcacatagga aacaatgatt cggctcttgat ggaacgcca ttctgagagt tttcctgaaa 360
 ccgatcaaca aatgcnnaa tatatgatac agttgtggat ttttcttatt gtagaaatcg 420
 tgataacatt ctaac 435

<210> 44

15 <211> 435

<212> DNA

<213> Arabidopsis thaliana

<400> 44

20 cctctagagc ggccgccctt tttttttttt ttttttaata ataatgtgta tatatattaa 60
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 tcattccacc gcctttgggt gtgtcgacag cttcaagcaa actcacaact tctcccatct 300
 25 ctggctggtt ctccggatta gtttcccaac atctcttcat tatggctgcc aatgctgttg 360
 gacaacatct tggaatatcc ggtctcagat tctgacgaac aacagcagaa gaaacatcag 420
 caaagctgag atcag 435

<210> 45

30 <211> 435

<212> DNA

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<220>

35 <221> misc_feature

<222> (1)...(435)

<223> n = A,T,C or G

<400> 45

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 tgtgttgagg ttttacgatg ctccaaggat ttcacttact cctgtgtttg ctgagttgaa 180
 aactcaaaac caggcggtat aaacacaatg tcgtcccagt ttgacgtcgt gctttccctc 240
 attcccttga caatatcttc gaaaactgca acctgaatat cgcttggtt cagagcaggg 300
 45 ttaagtcggt tctgttggtt ggacgctcgt attagagatt tttccaagtc ctcttttcta 360
 aagaaaacan nnnnataact catgttttca cttcgtagaa tcaagctctt tgactggaaa 420
 accggaacac catgg 435

<210> 46

50 <211> 435

<212> DNA

<213> Arabidopsis thaliana

<220>

55 <221> misc_feature

<222> (1)...(435)

<223> n = A,T,C or G

<400> 46

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	gagagaagaa	atatcactac	ttttatccct	cgacgctgat	caacaatgac	ataaacaaca	120
	gaacaaacca	gtcaggaaaa	ttccaagttc	attcacataa	ccgaaagagc	cacctaaaan	180
	nncgccccaa	acacattact	tcgataccat	ttcacaacac	ccgttttgct	agccacggac	240
	aaccttggtg	aaacccttaa	tctttcttct	tgttcttcaa	cggcccaagt	gggatcttgc	300
10	tcaacacctt	ctcatccaac	actgcatact	gcttcttgag	ctcgatcatt	gctttctcac	360
	ctaattgggtc	gactttgtct	tcatacttgt	cgtaggcaag	aggaaccgtg	aagagcaaca	420
	caagagctat	gtatg					435

<210> 47
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(435)
 <223> n = A,T,C or G

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	tcttttttct	gnnntgttgt	ctttggttct	actctccgca	ctgaatcttt	cgatcagcga	120
	taattgtttc	cttcttttgg	gattttctcc	ttggatggaa	ccagctcaat	taatgagatg	180
	agatgagaat	gttcagcttg	cagaagatgg	ctatggcttt	tactctcttg	ttttttgcct	240
	gtttatgctc	atttgtgtct	ccagatgctc	aaggggatgc	actgtttgcg	ttgaggatct	300
30	ccttacgtgc	attaccgaat	cagctaagtg	actggaatca	gaaccaagtt	aatccttgca	360
	cttgggtcca	agttatttgt	gatgacaaaa	actttgtcac	ttctcttaca	ttgtcagata	420
	tgaactttctc	gggaa					435

<210> 48
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

40	aatagttaaa	actcaagttg	atcaatcatc	aatagcatgt	gagcaataag	tgtcaaaaaga	60
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	acactacctc	ttcaaggaaa	tcattggatca	taatgtctat	cggcatctaa	gcaagtccac	180
	ttaacatgtc	caaagtgtgt	tggtcttctac	gtctaaagcc	gttccccaaa	aattcaagat	240
	tgattgacgt	atagaacagg	aacaagtcctc	gccatcttcc	catctcttcc	aggccgcttc	300
45	ttctttacgt	aaaaccagcc	atcaacttca	tactctatct	ccaattcttc	ttctgccgtc	360
	aagtttagct	catcatctcc	tcctgctgtg	aagtcataga	gcgctgttcc	aaatcttgta	420
	ccagtagatt	tccta					435

<210> 49
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

55	aaataaaaagt	ttgaatctca	aaaaaagagc	tgaagactaa	cccgaatagt	ttagcaagca	60
	atcctctgtg	actgtgaaac	ttgtacaaat	aaaaaaaaaa	actatatata	ttgtagaaga	120
	acaaatagtg	acgatcgatt	tgattgaacg	ccaagcaatt	gatatgtgaa	aagaaaagacc	180
	agtggtggct	taatggttga	gatgaccact	ctgctctctc	ttgtgacaga	gcacgagaag	240
	accacaggct	ctgctattcc	ttaattgtac	aaacttcatt	caccattatc	ctgtaacacc	300
60	gttagagaaa	acctccaccg	gtccaagcag	tgtctgattt	cccattgtga	cctacagatt	360

5 tcttatcgct tgcaggctga taatagaaat catcatcttt agcatcatta tcatcccaac 420
cagcccaacc gccgt 435

<210> 50

<211> 435

10 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

15 <222> (1)...(435)

<223> n = A,T,C or G

<400> 50

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ttgctcgaan nnnnctgct agtgagcttc atgccttctt tgaaagcttg attcgtgatc 180
agagtatctg tcggatgatc aaaactctcc cagatcgaag ttccgtcaac ggaaacaaca 240
acgagattcc cggagtcacg cagctcgatt cttgaagcgt ttttgctga attatccaat 300
ctccaaacct cagttccttc catcaccaca tttccgttgt catcgaacac aaacttgctg 360
25 gaattggaaa caggggaagc tctgttcgcg gaccagatca gtttcgtgct gctcttggtg 420
atgatactga gtgtg 435

<210> 51

<211> 435

30 <212> DNA

<213> Arabidopsis thaliana

<400> 51

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35 tgtctgcacg attcatcagc ctagcattga tatttttgag tcatttgacg agcttttggt 120
catgaaacgt ggtggagaac tcatatatgc cggtcactt ggccagaagt cttgtgagct 180
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tgaaatttac aggaactcaa atctttgtca acgcaacaag gagctgatcg aagtactcag 360
40 caagccaagt aacattgcaa aagaaatcga gtttccaacc agatactctc agtcaactgta 420
tagtcagttt gttgc 435

<210> 52

<211> 434

45 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

50 <222> (1)...(434)

<223> n = A,T,C or G

<400> 52

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gtcataatcc acttttgctt aaaatttaaaa acctttcaac acacaaaact ttacacactc 180
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ccaacttcgt cttcttcgtc atcatcttca tcagagtcac cttctttctc ctcttcatct 300
ccatcatcgt ctccatcaaa gtccctcttca tcagcgtcat tggtgaagta ggtgagaggg 360

5 ttggnnnaca aatcttctct gatgatctct gcaacctgct cgtcttgcat ctcatcctca 420
acatcctcct tgtg 434

<210> 53
<211> 434
10 <212> DNA
<213> Arabidopsis thaliana

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<212> DNA

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60

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35     ctgagcttcc tcccaaagca atctcgagtt caacacaaac ccagaccact ctagtttttg      300
      aggcaaaacc gcagcaacat catctatata aactgcactc ttccccgcac atggcaatgt      360
      attgaaaata tgccaaccaa tcaactgatc agttgagtta caagcaggac cctgtacagg      420
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      <213> Arabidopsis thaliana

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      gatccgacac aatgccgggtg atcgaagact ctgaaaagct tcaacttttt gccgattatt      360
      tttacccttg aggagcaaaa ttccaattca agaacggttt ctgctcgaa gggtcctgaa      420
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30 tggaccatca gtggctcaac acaaccceag accgaccatg tcttacctca aaggagctgc 360
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	aaatttttgag	aatcatttga	atttcgatta	taattcttct	gcttagtttt	aaaaaaaaaa		420	
	aaaaaaaaaa	aaa						433	
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	<211> 433								
	<212> DNA								
	<213> Arabidopsis thaliana								
35	<400> 82								
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	tagctagctg	aacaacacag	atcaaccact	aatcctttta	caatgacaaa	tacacaaatc		180	
	tttactcttc	taaaattctg	tttacttcac	catcatcttc	tcaggctctc	gaagtgaact		240	
40	ctctctctct	ctctctcaat	tagttgctaa	tgtaaccgtt	gcttcacacg	tctccatttt		300	
	aagtcacaac	catcagcaaa	taactccttt	cgatgccttg	atgatgttaa	agagtgtctc		360	
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45	<210> 83								
	<211> 433								
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50	<220>								
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	<222> (1) ... (433)								
	<223> n = A,T,C or G								
55	<400> 83								
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	ttgatttctt	ccgcagtggc	tcaatctccg	gctccagctc	cctctaactg	cggaggtaga		120	
	cggatctcac	cggctccttc	acctaagaag	atgactgctc	ctgctcctgc	acctgaagtt		180	
	tctccttctc	cttctccggc	agccgcattg	actccagaat	cctctgcttc	accaccatcg		240	
60	ccgcctctag	ctgattctcc	taccgctgac	tccccggctt	tgtctccatc	tgcatctctc		300	

5 gattctccga ctgaagctcc tggctctgct nnnngcggcg ccgtttcgaa caaattcggc 360
agtttcggat ctgtggcggt tatgttaact gctgccgttt tggttatcta ggttggttacg 420
atcaatgaag ctt 433

<210> 84
10 <211> 433
<212> DNA
<213> Arabidopsis thaliana

<400> 84
15 ccacgcgtcc gccatgacca aattctccga gccaatcaga gactcccacg tggcagttct 60
cgcgtttttc cccgttggcg ctcatgccgg tctctcttta gccgtcactc gccgtctcgc 120
cgccgcttct cctccacca tcttttcttt cttcaacacc gcaagatcaa acgcgtcgtt 180
gttctcctct gatcatccc agaacatcaa ggtccacgac gtctctgacg gtgttcggga 240
gggaaccatg ctcggaatc cactggagat ggtcgagctg tttctcgaag cgggtccacg 300
20 tattttccgg agcgaaatcg cggcggcaga gatagaagtt ggaaagaaag tgacatgcat 360
gctaacagat gccttcttct gggtcgcagc ggacatagcg gctgagctga acgcgacttg 420
ggttgcccttc tgg 433

<210> 85
25 <211> 433
<212> DNA
<213> Arabidopsis thaliana

<400> 85
30 gcggcccgcca caaacgaagg agaattacat tgacctattg aacaaactga aatgtacaag 60
agaagaaaga taagcgttca ttgacgtata caagcacaca agtcctacag aaacatgagt 120
agtactcaaa tcagaaacca agaactaacc attcaacaca aaatcttctt cttatcattt 180
aaaacggcca gatgtcagat ccaccgggtt tctccacaag aatccgatta tactccggcc 240
tcgacgtcag atctttgaaa ataacgtagg taataagcat gaagagcaca aacaggatct 300
35 caaactcagc taatcggaag aaatagaaca ctgagtcac aaaccgagtc agaagagagt 360
cgtctctcct cataccgact cgattagttc cagcacgtcg cccgatcatc gtcggtaaaa 420
ttctccctcc ggc 433

<210> 86
40 <211> 433
<212> DNA
<213> Arabidopsis thaliana

<220>
45 <221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 86
50 ccaaattgca cgtgcctagg tgcacgccgg cgggcccagc ctattttaaatt ggtgtgattt 60
cctttgttca cattgttcga aagaaacgtt aagcccgtt actattgagc ctcacaaaat 120
cggttctggt tagattagaa gaaagctgaa ttttcagccg ctttaagaggc atggcttgta 180
gtggcaactg aggaacggc tgcgttggat gctgccagca ggtgaaaagt tntcatcct 240
cctcttcaan ncatgactnn ncatactatt tccaccaag aaacaacgac gtcgatatcg 300
55 acacattctc tgaatcccac cgatgaggaa agaacttaac acacaagtga tacgcaggct 360
tccttgattt gttgagagt atttttgtat tgatgggagt gcttttatgt ttaaactttt 420
tcatattaat tgt 433

<210> 87
60 <211> 433

5 <212> DNA
 <213> Arabidopsis thaliana

<400> 87

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	gtacatcaga	cttatatcag	aaacttttcc	aagaccaaaa	actcatcaaa	gtttaaaggc	180
	aaaatgcaat	taataacatc	tctctacttc	tttaaaagct	gtaaaagatc	tttttcttca	240
	tcttctcatt	ttctcttgct	taccatttcc	atatgttaat	gctgaagaaa	tctcagaagt	300
	tttaatcaca	cgcagcctct	tcaccgaaga	cacaaacatt	tgccatggaa	catctcctac	360
15	aagcatcttg	tctccttcat	tgtcttcata	tgtaagagta	tattctccat	tcccatctaa	420
	taatccagtg	att					433

<210> 88
 <211> 433
 20 <212> DNA
 <213> Arabidopsis thaliana

<400> 88

25	cccgaattag	gctttggctg	atggggccgta	agagattaca	catatacaaa	aacgaagcgg	60
	cctaaaacgg	aaaaaacaag	cgcagtaaaa	tctgaagaag	gcagtacacc	ggaaaacacg	120
	aatctcactt	tccatattcg	atgctaacaa	gattcctttg	cggacaagat	cacaacatca	180
	ggattttgac	cgaagctagt	aaatccggtc	gcaaactgtt	gtcgagaaca	taccgaaccc	240
	agaactttcc	tttcgggaaa	agcagatccg	ccacatctca	gacccatgac	ctcttctccc	300
	aaacctagca	agaagagaga	catcaaaact	aacccttacc	tccctcgaca	atctcccata	360
30	aactacttca	aaagctaaac	caatcttcag	atccggcaaa	gaggaagcca	ataacggcgg	420
	aagctgatgg	aca					433

<210> 89
 <211> 433
 35 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 40 <222> (1)...(433)
 <223> n = A,T,C or G

<400> 89

45	ccgccctttt	tttttttttt	ttcaaaccga	tatcaacatt	tatagttcca	atgggattct	60
	tttgatcaat	ttgaaacatt	gctactttcc	gactttcctt	tcctnnmtac	tttttttgtg	120
	cactatagag	ttagaaacaa	cttctatcat	ctgccagaag	catgatagtg	atgccactct	180
	ctttatccat	ggcttaagnn	ntcagtaacc	tgatgcacct	tacgagactc	tgagcttgag	240
	tactgtccca	cggctcgggc	ataaggaatt	gattgtttcc	cggctgcaag	cgcattcaca	300
	ttttcaacta	aatactgtct	tgggagcctc	cgcaccacat	tacettcttc	gttcccttct	360
50	ctatcgagga	aggcgaaatg	aggaataccc	tcaacaccaa	actcatccaa	ctcttgctcc	420
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<210> 90
 <211> 433
 55 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 60 <222> (1)...(433)

5 <223> n = A,T,C or G

<400> 90

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	cagctgttgt	ttcaaaactg	cgttcttgtg	gtgcaatctt	acttggcaag	gcaaatatgc	120
10	atgagttagg	catggggacc	accgggaaca	attcaaatta	cgggaaccaca	agaaacccgc	180
	atgatcctaa	aaggtacacg	ggcggatctt	cctcagggtt	agcagctatt	gtagccgctg	240
	gactatgnnn	agctgctcta	ggaacagatg	gtggaggttc	cgttcgcatt	ccttcagcac	300
	tttgtgggtat	aacgggactg	aagacaacat	atggtcggac	agatatgaca	gggtcattat	360
	gtgaagggtg	aacagtggaa	ataattggtc	cacttgcttc	atctctggaa	gatgccttct	420
15	tggtgtatgc	tgc					433

<210> 91
<211> 433
<212> DNA

20 <213> Arabidopsis thaliana

<400> 91

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	aattgtacat	actaatggat	ttaaaaataa	gaggagaaat	aatttacgac	gaaattggat	120
25	ttggaactaa	tcaagttttc	gaggtccatc	catgtttgcg	tcgctccaac	gtattcacca	180
	tttttaattt	gtgttttaat	cttctctgct	aagctattag	agctatccaa	gccattgtca	240
	tcaagcctag	agacatgctt	gagaagaggt	ccccatgaaa	acacaaaatc	ttcaggggat	300
	atccaactat	ctcccaaaat	cactcctcca	agatgaagct	tcaatttgcc	agattgaact	360
	gcgtcaataa	ccgataaacc	gagcttaacc	gcgattttgc	caccataaga	ttcagcaaca	420
30	atgaagagag	ggc					433

<210> 92
<211> 433
<212> DNA

35 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(433)

40 <223> n = A,T,C or G

<400> 92

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45	cctaatacag	taatacagaa	acaatccgat	ggtggaaaag	aaggtaacct	agctttgcta	180
	ttttaagaga	tgcaanaaaa	aaaaaaaaag	ttggaagttg	acaccacgat	ggctcccacc	240
	tatgctaaat	actttcacaa	tcgtgggtta	ttaccggtat	cagattcatg	tcctgagcta	300
	tcactgtcag	agccactaga	acccgagcct	gagccactac	tagaactggt	agaactactt	360
	gatcctccaa	catttacttc	ttgtcgaaca	gtagatgcca	catgacctaa	ttcagtaact	420
50	tttgacgatt	caa					433

<210> 93
<211> 433
<212> DNA

55 <213> Arabidopsis thaliana

<400> 93

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	gttctacttt	cttccaagaa	atcggaacc	gacaccacaa	agcgtgtgcc	gtgcgagaaa	120
60	ccgcctttct	cggtgggaga	tctgaagaaa	gcaatccgcg	cgcattgttt	caaacgctca	180

5 atccctcgct cttttctcta ctttatcagt gacatcatta tagcctcatg cttctactac 240
gtcgccacca attacttctc tctcctccct cagcctctct cttacttggc ttggccactc 300
tattgggcct gtcaaggctg tgtcctaact ggtatctggg tcatagccca cgaatgcggt 360
caccacgcat tcagcgacta ccaatggctg gatgacacag ttggtcttat cttccattcc 420
ttcctcctcg tcc 433

10 <210> 94
<211> 433
<212> DNA
<213> Arabidopsis thaliana

15 <400> 94
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ttctccgggt ccaaaacctt cgccatgagc ggcaaaatca tgctaagtgc aatagtaatc 120
ctcttctctg tcgtcatttt aatggctctt cttcatcttt acgctcgttg gtatctcttc 180
20 cgtgctcgta gacgtcatct ccgtcgtcgt agccgtaacc gtcgcgctac gatgggtttc 240
ttcacgctg atccttccac cgccgcaact tccgtcgtcg cttcacgtgg acttgatcca 300
aacgttatta aatctcttcc tgttttctt tttctccgag agactcataa agatccgatc 360
gaatgcgcgc tttgtttatc ggaattcgaa gagagcgaga cgggtcgggt tttgcccaat 420
tgtcaacata ctt 433

25 <210> 95
<211> 433
<212> DNA
<213> Arabidopsis thaliana

30 <220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

35 <400> 95
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catatggata caatcttggc gtcaagctga agataccgcc agacacactt tcttcggcta 180
40 ttacggctct aactttgccc tattttcatt cctcctatt gctctctcta tcgttggaact 240
catttacttg agtttactgc cacaacatca tcatccaaca agaggaggga ggggtgcagc 300
tattactgtc tcaagaccag ccattatcaa tagcttcatt ggaattntnt cttgtttcga 360
gatacttgct cttcttttgt tctactctt tcttgcttgg aacttctatg cccgtgtctc 420
taacgacttc aag 433

45 <210> 96
<211> 433
<212> DNA
<213> Arabidopsis thaliana

50 <400> 96
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tgaggaggct aagcgtaaga gaaaagaaga aggaaaaagt agagcttttt tgggaatcag 120
aatcatcatc gatggtgaat ccaaagcgtg gcaatagggt tttcaaatac agaattgtgt 180
55 aaattgctct ctatcttctt ctctttcaaa ttctcttctt tttgttgat tcaataactt 240
tttcccccact ttgatgggct gcaaccacat attcttcttc tatctttaac ttttccacc 300
aaacttctcc ttttttttct ttttttttgg gttctgggtc tgcttttttg ttgttggtgt 360
tgttgaatga aggtccgtaa gggaagaaga cagatgattg cgaaagagca agacgaatac 420
aaattacgcc aac 433

60

Feature 1

5 <210> 97
<211> 433
<212> DNA
<213> Arabidopsis thaliana

10 <400> 97
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tagagatggc tccaactcag gatcccaaca gtgtcggagg cggtgccaag aaagatgaag 120
ctaccttgaa ggttccgtct aaggatccca agaagaagga cgagaaaaag gatgaggatt 180
tgtctgaaga ggacttggaa ctaaagcaga accttgagct ctatgttgag agggttcagg 240
15 atcctaatacc ggaattgcag aaggctgccc ttgagagcat gaggcaggaa atccgagctt 300
caacaagttc catgacttca gttcccaaac cactaaagt tctgcgtccc cattatggaa 360
ctcttaaagc gtttcattgaa acaatggctg attctgatct caaaaagtac ctgtccgata 420
tctgtgtctg cct 433

20 <210> 98
<211> 433
<212> DNA
<213> Arabidopsis thaliana

25 <220>
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<222> (1) ... (433)
<223> n = A,T,C or G

30 <400> 98
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ccctcttctt ccctccgcgc ccgcacccgc ttcttcatcc accgcggcgg attcgtctct 180
tactcctccc ggtgggtggg cttctttata caaactcgtt gtttgtgtgc ctggtctctt 240
35 ccacgctgga attctcctcg aaaactccga ttctcggtta gaacgtgagc taggtcccga 300
tcaaaacctc gatccgaaac ctactacgac ggatctagct cttaacgacg aagaagttn 360
naaaccagtt ggatctggnn tagaaacgac ttctgttttg tctctatatg atgatctcta 420
cacagatact att 433

40 <210> 99
<211> 433
<212> DNA
<213> Arabidopsis thaliana

45 <400> 99
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agaacagtga tcacgcccga atgagtaaag aaattgcgga caagagccac cgactaaggc 120
aaatgagagg agaggaactt caaggacttg acattgaaga gcttcagcag ctagagaagg 180
cccttgaaac tggtttgacg cgtgtgattg aaacaaagag tgacaagatt atgagtgaga 240
50 tcagcgaact tcagaaaaag ggaatgcaat tgatggatga gaacaagcgg ttgaggcagc 300
aagtatgtgt cttaccctct ctgttgataa caaatccctt tcttttgtct accattaacg 360
tacacactcc taaatttaat cccagttgt ctacaacaca tatgtttgat catactgtga 420
gataaatgaa taa 433

55 <210> 100
<211> 432
<212> DNA
<213> Arabidopsis thaliana

60 <400> 100

5 tttttttttt ttttttgaca atgaaacctt gacggctttt atttaacaca acaacaaaga 60
acaatacaac aacacacaga cagggtcaatc atttgttcaa ggaattattc atgatcttca 120
agattccaat aactgagaag gaagactact aatcagcttc tgtctcaaga aatcctcata 180
agcctcaact atgagatgat catcgctcca cttatcacgg aaagtgtctg attgtgtage 240
aagtctgtag tatccgcat ttatttcctg atatctccat tgttcaccgg gcggtgcacc 300
10 aatttgctct gctatccaat taaggtaatc aacctgacct ccaccaagtc gatgtgtgta 360
tctcttaggt tgcccgaaag cctcacgctt tgcatagtag gcggtaacgt cttccatcat 420
tcggacgcgt gg 432

<210> 101
15 <211> 432
<212> DNA
<213> Arabidopsis thaliana

<400> 101
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catcaaagtt caaaaaccca tagaaaagca aaccaccga ttaactaaaa aaaaaaaaaa 120
actcctttct cttttttgtt tttgttttca cttttaagtt tttgcaatga taacaacgat 180
ttagtttgac taaacaacga taagtaatat aacttagttt gaaataaaag aaagtacttt 240
taagagtgtg gtagtcttga gaggaaatca aataacaatc ttcatacaagg cttgaactga 300
25 ttagtgacct gctcctcaac aaactcttca ggctgttcgt tcatcaagtt cttctccac 360
ttggagtgtg acggatcctt aaaactgttc tctcgttgt tgtttccgta cgagtacgat 420
tgctgttcgt ag 432

<210> 102
30 <211> 432
<212> DNA
<213> Arabidopsis thaliana

<400> 102
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ttttagataa tgcacacaca aatctcccca cttaatcgaa atcttccaag gctagcttca 120
gcttagagag ccatctcagc ttgtaaggca gcgagttcat ctctctcagc agtaggttgc 180
ttctgagctg gagcacgagc aggcctgttt ccttgaggca catggattgg aacaggctga 240
agaagtgtct cttctagctc agcgccttct agttcgtcaa gttctgcttc caattcatcc 300
40 tcatcaaaat cattagcccc aaatggagcc gacaatgctt cttggatctg tttcatgttc 360
tcagtttgtt cattgatctc atccattgtc ttgtcaacat catcaatgtt tgttgctttc 420
tgcatagtct tc 432

<210> 103
45 <211> 432
<212> DNA
<213> Arabidopsis thaliana

<400> 103
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aggtgttctt gttgaggaca agcgacagat cgcaaaacgt tacttgtcgt cacatttcat 120
aatcgacatt cttgctgttc ttccgcttcc acagatgggtg attttgatta tcattccaca 180
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55 catactcact gagacagctt gggctggagc tgctttcaat ctcttctct acatgcttgc 360
tagtcatgtg tttggtgctt tctggtattt gttttctatt gaacgcgaaa cagtgtgctg 420
gaaacaagct tg 432

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60 <211> 432

5 <212> DNA
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<400> 104
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 gagtttttga tccatctagc tagatagctt cgggatcagt attccttgtc tctacaaaat 180
 gatcactcac aatgtagaat tgtcccaggt ggtacctagc gacacaccgt gcttctttat 240
 gatcttcacc gcctcaagaa ggacctcttg ttgtgtattg tatagctcct cttttccctg 300
 agacaaatga agcttcaggt gtcattgaca agctttggcc tggctgtttt aggatcaatt 360
 15 tcaaccctga gaccaatttc acggagttga ggcacatcca cagagccttt aatctccaac 420
 tcagccacta ct 432

<210> 105
 <211> 432
 20 <212> DNA
 <213> Arabidopsis thaliana

<400> 105
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 tgccgatgct aaagatgatg catactatca cctctcattc cagtgagaat cgcattgactt 120
 catctgctgt tgctgcatgc atgtcccat tgctcttacg tcctctattg gctggagaat 180
 gtgatctaga aggttttgac actctaggag ataactctgc ccagcttctt gctgccgcca 240
 atgctgcca taatgctcaa gccattgtca cagccctttt ggaagactat gggaaatga 300
 tcaatgatga aggtcttggg agatgctcca cttctactga ttctcatatt ggcgacagt 360
 30 ggcctgagaa ctcaagtgat gaagaggaaa tagtggttaa acatcctgac ttgcatactc 420
 tggatataga ag 432

<210> 106
 <211> 432
 35 <212> DNA
 <213> Arabidopsis thaliana

<400> 106
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 tgattcatct tctcttgatc ttttaaacc taatcgtatt tctcataaga atcaccgacg 180
 tttctcaaat cctttggcga tgtctagaat tgacgaagaa gatgatcaga agacgagaat 240
 atcaaccaac ggtagtgaat ttaggtttcc ggtgagtctc tcaggatttc gtgatcgtga 300
 agatgaagat ttttcatctg gcgttgctgg agataatgac cgtgaagtcc ccggcgaagt 360
 45 ggatttcttc tccgacaaga aatctagggt ttgtcgtgaa gacgacgaag gatttcgtgt 420
 gaagaaggaa ga 432

<210> 107
 <211> 432
 50 <212> DNA
 <213> Arabidopsis thaliana

<400> 107
 55 acggagagct gtgcggctgc gaaacccaag gaattcgaga ggggaagttcg tgccatcgct 60
 aagcttcgtc acccaaactc cgtcagaatt cgtgggttct gctggggaga cgacgagaaa 120
 cttctcattt ccgattatgt tcccaatggc agcctcctct gtttcttcac cgccactaag 180
 gcaagctcaa gctcatcttc ttgctcgtca ttacaaaacc ctcttacttt tgaagcacgg 240
 ctcaagatag caagaggaat ggctagagga ctatcttaca tcaatgagaa gaaacaagtg 300
 cacggttaaca tcaagcccaa taacattctc ttgaacgctg agaatgagcc catcatcacc 360

5 gatttagggc tagaccgcct catgacacca ggcggtgaat ctcacaccac tggaccaagt 420
tcgagctcac cg 432

<210> 108
<211> 432
10 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
15 <222> (1)...(432)
<223> n = A,T,C or G

<400> 108
20 ccaaattgat atttatctct tctcaaccat ggcgatgaga caagccgcta aggcaacgat 60
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ttctgggtgat agcaaaaaga tttnnggagt tttctacaag gccaacgaat acgctaccaa 180
gaaccctaac ttccttggct gcgtcgagaa tgccttagga atccgtgact ggcttgaatc 240
ccaaggacat cagtacatcg tcaactgatga caaggaaggc cctgattgcy aacttgataa 300
acatatcccg gatcttcacg tctaatactc cactcccttc caccggcggt atgtaactgc 360
25 tgaaagaatc aagaaagcca aaaacttgaa gcttctctc acagctggta ttggctcgga 420
tcatattgat ct 432

<210> 109
<211> 432
30 <212> DNA
<213> Arabidopsis thaliana

<400> 109
35 ttttgagata aaaacggtat aataagcaac gtgtcgataa tctcatactc ttacaatcac 60
gcaaaagggt cttgaaactg aagcaaaagta ctttaactttt aagtaataga aagcaaacaa 120
agaagtgatc aggtccata atcacctgt tcaaacttgt cttcagggtta atacactgca 180
acgacttcat ttcttccaaa tttctacca ttcattccga atcttgcctt agtcgagcca 240
tctgtatcgg catacttcaa aaacaccttg ccaaggcctg ccaactggctc accattgggg 300
cttggacgcy gaatcacaa attggtcaaa gcacctgcat ttaagagtt aaagaacaaa 360
40 acatttcgaa tacaagacaa gaaaacacag acaaaaacaa gtcagttttt tcttttaaga 420
aatagtggcc ag 432

<210> 110
<211> 432
45 <212> DNA
<213> Arabidopsis thaliana

<400> 110
50 gcggccgcct gatttagaat gggtttagaga tagaagcagg ttctaagagt attaacaccc 60
aaatacatga aaaaagaaaa cactccat gattatttct gagctcacia gttgtgaaaa 120
tctctactta gtcactgctg tctgaagagg agagtgaatc tgcaccactt ccttagcctc 180
aatttgcttc tctgcaactg cctccgcctt ggagaagctc ccgaatatct tgtccatggg 240
gtttttgaaa caagtcttgt gttcatccat tgaggcatgt atgaattcat ccatgtgatc 300
cttgagggtt gcaaagaaag tggcggtatc atccttcacc ctcttcctgc atgatgatgc 360
55 aggcacttgc ggttttggcg ggttctcggt ttcgattttc ttggtatcca ccacggtttg 420
atttggcggc cg 432

<210> 111
<211> 432
60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 111

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	gagacacaca	agagtagagt	agtctgttgc	tcttaggaaa	tgtcaatacc	gataaaaagac	120
10	gaaagtcaca	agaacacata	gattaaagca	gagaggaccc	atatagtcac	ttgctgggtat	180
	cgaggacaca	acgaaggcaa	gtaccttcgt	gcaatagatc	gaaagcctta	ttgatttctc	240
	ccaaggtcaa	gttgtgtgtt	atgtattcat	ccacttttat	ctccttggtc	atgtactttt	300
	ctacaagcca	aggcacttgg	gttcgactct	tgaaaccacc	aaaagctggt	cctttccaca	360
	cacggccagt	cacgagttgg	aacggacgag	ttgatattct	ttgtcctgat	gctgcaacac	420
15	caactatgac	cg					432

<210> 112
<211> 432
<212> DNA

20 <213> Arabidopsis thaliana

<400> 112

	aatgagaaga	ataccaaact	cttccacatt	atctcgattt	caaataattac	aaaactttatt	60
	ttgtttgtgg	gtctttctca	accgctgcaa	catgttgctt	gaagtcttcc	tggtattaat	120
25	gacaaaaatc	ctcaataaat	atgaaaatta	cacaaatgtc	atcaaataac	ttgctaattgg	180
	tttgggtcgg	atcagggtgg	agtaattgtg	agcttggtga	cccagtagcc	aagttgctca	240
	gcaacacagt	ttgatcctgt	tgacccatag	gaactgaact	tattgactga	attttcaacc	300
	cccaaaaaatc	caaacacatc	ttcttcaaac	acagggctca	gctttttcat	ctcttcaaga	360
	cttaagttct	gaagttcaca	gccttttgag	acgcaaactc	caactagttt	tccaactatg	420
30	tcatgagatg	ac					432

<210> 113
<211> 432
<212> DNA

35 <213> Arabidopsis thaliana

<400> 113

	gcggccgcgc	caattgcagc	aacatgttat	atgcattctt	atacacaaca	attccaattt	60
	aagacactca	cacacaaaaa	gttaaccaaa	aacaagtcaa	gaacgtaatt	ccatcaagct	120
40	actggaaagt	tgacttggtt	atggacgac	aagccatata	aaacactctg	ccttggttctg	180
	attgcttgac	tagcttcata	ggtttgactc	gtgcgatata	tactctcaag	aacaaaccca	240
	ggagaagaga	agcttttaaa	aaaaaactct	ttaccgatat	cttgtagcag	agctctgtcc	300
	ttgagttctt	gtagatggat	ggttattgct	cgttttgcca	tactttgcca	attcggtatt	360
	agcatgggaa	agaagcttct	gagcgttttc	cagtctcttg	gtataatcag	tatcagcaag	420
45	tttaaagtac	gc					432

<210> 114
<211> 432
<212> DNA

50 <213> Arabidopsis thaliana

<400> 114

	cttttttttt	ttttttggtg	aaaaattaga	ttaattatga	taatacacaa	taataatact	60
	ataccatcaa	atctgaaacg	tagttccaaa	aataagtaac	cccaaaatca	aaacagaaaag	120
55	aaaaaaagag	aaaatgatga	gttcgtagag	ttttttatca	gaaacatctt	ctgggtgtttg	180
	ttgtttttta	ctctccttct	tttttcttct	atatgaccaa	agtagtaagt	actaagcatc	240
	atcttctcta	accctagaac	ttgaacctga	cgtcatacca	atcacttggt	tatgcgtaaa	300
	tctttgcaac	tgtatcattc	gcgcgtagat	tccatcagga	tggttcttga	gaagatgcga	360
	atgcgatcct	tggttcagcca	cttttccatc	atcgatgaca	gcgatcacgt	gtgcgttctc	420
60	gcggacgcgt	gg					432

5

<210> 115

<211> 432

<212> DNA

<213> Arabidopsis thaliana

10

<400> 115

gcggccgcgc ttcgtctcgt caatggcggc catttctgta agttcttcac catctattcg 60

ctgcttgaga tcggcatggt ccgattcttc tcctgctctt gtatcctcga cgcgtgtatc 120

gttcccggcg aagatttcat atctctccgg tatactctcg caccgtggcg atgaaatggg 180

15

taagagaatg gaaggattcg ttagaagcgt cgatgggaag atctctgatg cgtctttctc 240

cgaagcttca tctgcgactc caaaatcgaa ggtgaggaag cacacaattt cagtatttgt 300

tggagacgaa agcggaatga ttaataggat tgcaggagtg tttgcaagga gaggatacaa 360

tattgagagt cttgctgttg gtctgaacag agacaaggct ctattcacca tagtgtctctg 420

tggaactgaa ag 432

20

<210> 116

<211> 432

<212> DNA

<213> Arabidopsis thaliana

25

<220>

<221> misc_feature

<222> (1)...(432)

<223> n = A,T,C or G

30

<400> 116

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ttacaaccat cgaccaaaag gcttacaaag tccaaagttc ttaagttcct tagctaattc 120

tcacacaaga aacaaaaaaa gaagactaat aagaaccaga aacatagatg agaaacatat 180

35

atcctacgat aaannncaaa agaggcatta catctccatt aaacctaaac aatccaagtc 240

cttcttctta gatagtttca gcaatcacag aagccacctc cttcaaaaca tctatcttct 300

gcgacaacaa ctcaagttcc ttagcctcca ccactctcat cttctcttca atcctcttct 360

tagtctcctt agacacctta ctccatttcc acttcacaat acactcatcc acaccaagcc 420

tcgcaacaac cc 432

40

<210> 117

<211> 432

<212> DNA

<213> Arabidopsis thaliana

45

<220>

<221> misc_feature

<222> (1)...(432)

<223> n = A,T,C or G

50

<400> 117

cctctagagc ggccgccttt tttttttttt tttttttaac aatgaaattt tgtgaaacta 60

caattaaaag ttcaaaggta tttttttttt ttggattaca acattaacct atggagtctg 120

tagccatttt ttaattttaac ttttggccca aataatactt ctgccaaagtc tatacaagaa 180

55

caaaaacttg aactctgtta gagcgggtgag aaatgtcttg atttgaagct gcataatctg 240

tactggttta ctctgtctgg tcaactgacac ggaatagctc gatgagcgtg nntcggattt 300

tgattctcag agcagaggct tcatcgggtc taaaccactt cttgtcgnnn attccagggt 360

ctttcctttt cagcctttga ggccctctt caatgaaccg tttaatgaag aagagcacia 420

acggaccaca at 432

60

5 <210> 118
<211> 432
<212> DNA
<213> Arabidopsis thaliana

10 <220>
<221> misc_feature
<222> (1)...(432)
<223> n = A,T,C or G

15 <400> 118
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tctcttgggt tgaagccaaa gaaggaaatg ataatatata catacacaca cacacacaca 120
aaaatcaaag aaggaagttt tataggatta tatatatagc tagagagtct catttcttgt 180
atgtttctgt ttaatcttct cttttgtctc ctttttttat cagtatatgt ctgtatgtat 240
20 ttatatatat agatctgaat atagtttgtc gatttctaac ttatttcgcc tcttcttatt 300
ctttngnttt ttgctttaag tttnnmnttt tgtgtgatga tgaacaaaga catgttactt 360
caccagcatc agcaaccaca acaagacgag aatatgtcga atctaacatc agcttcgagg 420
gatcaagcaa gt 432

25 <210> 119
<211> 432
<212> DNA
<213> Arabidopsis thaliana

30 <220>
<221> misc_feature
<222> (1)...(432)
<223> n = A,T,C or G

35 <400> 119
tttttttttc ttacaacaaa ttcagatttt attcgaggac tcaactgttt tttttttttc 60
tttagttaca cccaaatata caaataataa aaaaagaaaa gagattatga cacaccatta 120
cttactttta tcacaacata aataactata taagaattta tttatcaaag gagctttaat 180
tacaaagctc aattcacaaag tccagggtcg aaactaacgc ccgttgacgg caaccatata 240
40 ttcccgtcaa taaaactcgc cacagtgaat ttttccgctt ccgtcacctg caaacacgga 300
tgacaccac tccatttaac ccgaccgaa anngatgatc caggaccgga attnnccat 360
tctccgtaaa acagagattt gagaccgaaa ccaccgacc aaggagacca acccgacgga 420
tgaatcgacc cg 432

45 <210> 120
<211> 432
<212> DNA
<213> Arabidopsis thaliana

50 <220>
<221> misc_feature
<222> (1)...(432)
<223> n = A,T,C or G

55 <400> 120
cgtcgcacgc acggtacgt aagcttggat cctctagagc ggccgccctt tttttttttt 60
tttnnngtaa aaagcaacct caaaggctcag aagtaaaatt attgagattt tacagcacag 120
ttttggtaaa tattaaagca cacggcatca gagattctgc aacacaaaca agaaataaca 180
tcactaaaaa ccagacacac attggcacta atttctacgc tctctctctc tctaaaccga 240
60 agataagaga ttctctgcag acaagacaat atagaatatt aattgnntc tctctctcac 300

5 cctctctctt tctctttctc tctctcccta ttaggtttca ttgaatctaa aacggaaaat 360
cctcgggatt acttgccagt aaagaaaggg ttacatata gttgaattgg tccgaaactg 420
aggcgatgat ta 432

<210> 121
10 <211> 432
<212> DNA
<213> Arabidopsis thaliana

<400> 121
15 ctcttttggg acaaaccgca attgagccga gttcgtgtag cgtgttcttc ttctcaatct 60
gactcaagac ctgagaagaa gcaatcggat aagagtaact atgctcgagc tgagctgttc 120
cgtgggaaat caggttctgt ttctttcaat ggtctgactc atcagctggg tgaagaaaagt 180
aaactggttt cagctccgtt tcaagaagag aaaggttctt tcttggtggg tttggctcct 240
gttgttttga tttcttcgtt gattcttcct cagttctttc taagtgggat cattgaagct 300
20 accttcaaaa acgacactgt tgctgaaatt gttacttctt tttgctttga gacgggtgtt 360
tatgctgggtc ttgcgatatt cctgtctgtg actgaccgag tgcagaggcc gtacttagac 420
ttcagctcca ag 432

<210> 122
25 <211> 432
<212> DNA
<213> Arabidopsis thaliana

<220>
30 <221> misc_feature
<222> (1)...(432)
<223> n = A,T,C or G

<400> 122
35 aggtgaaaga gagttcgcaa acgaagttat tgttggtggca aagcttcaac atagaaattt 60
ggtaagattg ctagggtttt gtttgaaag agatgagagg atacttgtct atgagtttgt 120
tcccaacaaa agtctcgact acttcatttt tggctcagtt tgttcaatat ttagcctaag 180
ataaattttt tacaaattgc ataccattca ttgtttctaa cattgtaaat tcatatgnnn 240
ngactctacc atgcaaagcc ttctggactg gactagacgg taaaaaaatc attggaggaa 300
40 ttgctagagg gattctttat cttcatcaag attcagcact cacaatcata catcgtgatc 360
tcaaagaagg taatatcttc cttgatgatg atatgaatgc aaaaatcgcc gactttggaa 420
tggcgagaat tt 432

<210> 123
45 <211> 432
<212> DNA
<213> Arabidopsis thaliana

<400> 123
50 acatccattc atgggaagca tttgacaagg gacaggacat gcatatgcaa gctgctcctt 60
cccaagctga attgctctat aagagctttc aggttgcaaa ggagaaactg aaatctcaga 120
caaaggacac aatcatggac aagtacggga atgcagctac agaagatgaa attccaatgg 180
agcttttact tgggcaaagc gaaaggcaag ttgagtatga ccgagcaggg aggattataa 240
aaggacagga ggtgatattg ccaaagagta aatatgaaga agatgttcat gctaacaatc 300
55 acactagtgt gtggggatca tattggaaag atcatcaatg gggatataaa tgttgccagc 360
agatcattcg caatagttac tgcacaggtt ctgctggaat tgaagctgca gaggtctgcc 420
ttgatctgat ga 432

<210> 124
60 <211> 432

5 <212> DNA
 <213> Arabidopsis thaliana

<400> 124

10	gtcttgaaat	ggagagttac	ttaacgaaat	ggtgtgtagt	gcttggtgtg	ttgtgtttcg	60
	ggttttagtgt	agtaaaagca	caagcacaag	ctcaagttcc	atgtttcttt	gtttttggtg	120
	actctttggt	tgacaatgga	aacaacaacg	gtcttatttc	tattgcaaga	tccaattact	180
	tcccttacgg	tatcgatttc	ggcggcccta	ccggccggtt	ctccaacggc	aagactactg	240
	ttgatgtgat	cgctgagcta	cttggattta	atggctacat	tcctgcgtac	aatactgtga	300
	gtggtcggca	aatactctcc	ggagttaact	acgcttcgcg	agctgctgga	atccgagaag	360
15	aaaccggctg	acaattggga	caaaggataa	gcttttagtg	acaagttagg	aactaccaga	420
	ccacagtatc	gc					432

<210> 125
 <211> 432
 20 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 25 <222> (1)...(432)
 <223> n = A,T,C or G

<400> 125

30	ttaaactcac	tatcttccca	atttgatgat	tcagtgattc	aaattcgaaa	cttcaagcaa	60
	tgttatcgac	attgcaaccg	ccgcgttctc	tatcactcct	ccctctacgc	cggttccaaa	120
	tatctaaaac	catcgtctcc	gcagcttctt	cgaagaccat	cgacacttcc	gttatctctc	180
	caccacaatc	tcaaattctc	accactcgtc	gttactcctc	ctccggcgaa	accacagctg	240
	tcgaaatcgc	aaaatcttac	ctttctcgta	tccgtctcac	tgaacctcag	ctcaaagtct	300
	tccttcacgt	atcggagaat	gttctcaaag	atgctcaaga	gattgatcaa	cgaatcgcta	360
35	aagggtganna	attgggtcct	ctcgccggag	ttttgatcgg	cgtaaggat	aatatatgta	420
	ctcaaggtat	gc					432

<210> 126
 <211> 431
 40 <212> DNA
 <213> Arabidopsis thaliana

<400> 126

45	tcgagcggcc	gcccggcagg	tacacaactt	ttgtaaaaat	cggcgtaatc	atgttctagc	60
	tcgtagaaac	tattcaaaac	aactcccag	ctcttcaact	ccgattccct	aacttcagtc	120
	ataaaacttt	ccatgtcggg	ttctccatcg	ccatctatga	tctgttcttc	agttatcaca	180
	atgttcccag	ggagctcggg	aatcacaaat	ggctcagagc	ttgaagccac	tctcttctgt	240
	ggtttatgca	ctccgatgca	ataaccagcg	cataaagaga	agtagccagt	gccgtggaac	300
	acaagtcttg	gcacattgaa	cttctcagca	acttttagtg	accaagggaa	gaacatgtta	360
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	ttcattgcga	g					431

<210> 127
 <211> 431
 55 <212> DNA
 <213> Arabidopsis thaliana

<400> 127

60	agcggccgcc	cgggcagggtg	caactatcaa	tcgaatcaga	cattgacgag	gagctttggt	60
	cgtaatccga	ggaagagatt	aaaatcggaa	agtgcgaaaa	tgccgggtcat	ggagaaattg	120

5 aggatgttcg tgggcgagga accagttgtg gctgcttctt gcttaatcgg cgggtgttga 180
 ctatTTTTgc ctgcggttgt gaggcctatt ctgactctc tcgaggcttc caaacaagtt 240
 aaagctctc cacttaccga tgtgattgct ggtgtcacag ggaagaaaca gagttaaacc 300
 aagcaatgac ttccccgttt ttcttacatt cagatgatcc ctattccttt ttgtctttt 360
 actctctcta ttcacaatga ataagccaga ctcatttggt tgttatgaaa cttaatatata 420
 10 aggcattgtg g 431

<210> 128

<211> 431

<212> DNA

15 <213> Arabidopsis thaliana

<400> 128

gcggcgcgcg tcaacgaacg acttcgcttt cgcagtttgc attgaattga agcataagca 60
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 20 gataggaaac ctacactact ctttgtgatt tgattttggt atctgaattc agagtcttgc 180
 ttctgggttt tgggtctgggt tttggaggtt tagtgcttga atctgatgtt ggttcaagat 240
 cgtgtggctc ctaagccacc aaaatctcgg atcagagaaac ttcctagtcg ggaccgattc 300
 gctgaaccca aaatcctaga tttctcttca tgggttttcg acaatgtcta cagaatcgta 360
 atcatcttcc tcttcactcg caccgtcgct gctttcttct tcctctacaa caccaccgac 420
 25 actgcttctc t 431

<210> 129

<211> 431

<212> DNA

30 <213> Arabidopsis thaliana

<400> 129

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 gtcatacaaca acacttgaaa acggcaataa acataaggaa gaagaaactg gttgcttgct 120
 35 gcttttgatt cttctctctg aagatcaatc attcaaaagc ccattgggtc tctctgcgaa 180
 cctcttctc ttcctctgggt gtgaagtcgt tcttaatggt gaacgttggt cggatctctt 240
 ctggagtctt tcctttgatc atatccgcaa ctgcttgaca tgtagatca agcaagttct 300
 tgatattcag gtaattagca gccagaatga gttcaaagag agtagcttga tcgatcttca 360
 taaaatcagc gtcccaggcc ttaagatcgt catcggaggt agcagcacc tcgacggcct 420
 40 cggccttaga g 431

<210> 130

<211> 431

<212> DNA

45 <213> Arabidopsis thaliana

<400> 130

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 tttaacgttg atacatgata ctctgttggc gttttacaaa tcctagagag tcaaaaccat 120
 50 tatccaatcg ctggcttggt tcctactttg catctctctt ctcattcatca tcaatatcct 180
 ttatagcatc ctttgcaagg cttgtcacat atgttcagc caatgcagta accaacagac 240
 ccaccccgag agttaaaagc tggcgtttc ctccaggcaa gccaacatta gattcttctt 300
 gaatgattgc tcgtccaaa gcaccggcgc tgacataagc ccaagagcct ggaagcatac 360
 ccaaccagct tcctaataca taaggcacia atttcaccga cgtcaaccca tacaggtaat 420
 55 tgccaagaga g 431

<210> 131

<211> 431

<212> DNA

60 <213> Arabidopsis thaliana

5

<400> 131

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tctcctcacc	aatctgccgc	cggtagcaac	tccggcaatg	agaatctaga	tcgtcgtctc	180
10 ttaaaagatc	tcgttgagat	ggttccccctt	atcgagcatt	acatggaaca	taaagaaagg	240
agttcgttta	agcggcgtgg	ttccatgata	tacactaaga	tgccttcaaa	agaatccttg	300
tcccgaagg	gaagaaatgc	ttctcaaaca	gtcccaggaa	gaaagaagag	agaccaagag	360
ggaaatgacg	atgttatgaa	caattctagg	gaagatgatg	aaaacgcaaa	ggctttggct	420
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15

<210> 132

<211> 431

<212> DNA

<213> Arabidopsis thaliana

20

<400> 132

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tgtttccgaa	ggtatggtcg	gtcaagtga	ggcgcgtaaa	gccgccggtg	taatccttca	180
25 gatgattaga	gaagggaaaa	tcgcgggtcg	ggctattcta	atagcgggtc	aaccgggaac	240
gggtaagaca	gcgattgcaa	tgggtatggc	gaaatctctt	ggcttgga	ctccttttgc	300
gatgattgca	ggaagtga	ttttctcatt	agagatgtca	aagacagaag	ctttgactca	360
gtcttttctg	aaagcgattg	gtgttaggat	caaagaagag	acagagggtta	ttgaaggaga	420
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<212> DNA

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35

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<400> 133

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ggatctgaat	gtgatcgatg	tcgctgattt	gcctctcact	gctgcggagg	gaccggggat	180
45 tggtgaacgg	aagttcgtat	tcccgaatat	acttgccgat	ggtagcccta	ctgtcgacga	240
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cttcttcttc	gagtcacgga	acnnnaagga	tgctcctgtt	gtgatttgg	tgacggggag	360
gcctggatgt	agtagtgagt	tggctgtgtt	ctatgagaat	ggtcctttca	agatcactag	420
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<210> 134

<211> 431

<212> DNA

<213> Arabidopsis thaliana

55

<400> 134

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ttgcataaca	cccttagtgc	caccccaatc	tctccccaag	acggagatta	gaaccctaaa	180
60 tcgattgtgg	catccatggg	agagacaaaa	ggttgagttt	ttcagggtga	gtgatttgtg	240

5 ggattgttat gatgaatgga gcgcttatgg agctagcggt cctattcatg ttaccaacgg 300
agaatctctt gttcaatact atgttcctta tctctctgcc atccagattt tcacctctca 360
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gttttagcgat t 431

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cagaggctac aatacatgac caaaaaagct tctggaggag cttctttctg cctattattc 180
tttccaacat ggtggttaga acaagtatgt atcactaacc ctacaagtct cacattttta 240
20 ccacatatac accacagcaa tccagagacc accaattttt gaggacaatc accgcaattt 300
cttctacatt acggcatagc gcaaacctat attgctgtcc tcgagattga cttaccact 360
ttactcttcc aagctccaag agtctcattg tcagaagtct cagcattctc ttcagcttct 420
cggacgcgtg g 431

25 <210> 136
<211> 431
<212> DNA
<213> Arabidopsis thaliana

30 <400> 136
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aagtcaacga tatccaccac atcatggagc agagagttgg agttcacacac tctacagttc 180
aatctgattt gtccttgagt tcctgtagtt ggtgtaattg tccccatcct attcattgcc 240
35 tccacaaatg cattgaagaa tgtttgtgtg ccatcagcat atgctctcac caaggggatt 300
gtgtcagttg cattggggct agagaacaac tcttggtcgc tctggataag accttttcgc 360
tctttgagat tcacgtagta tttgttgcg aaaaccgtag gcgtacgtag atcaaaatct 420
accaaggcac t 431

40 <210> 137
<211> 431
<212> DNA
<213> Arabidopsis thaliana

45 <400> 137
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gcacacaatt tagaacagaa aaagcaacgt gacaaccaga tttcagacga gacattacat 120
atagtacaat gagaagaaac gttttggatc actgagcata gcaagagcca ggtcccaagg 180
ggggtcttcg tgcgtaaaag ttatccactg gagccgctgg aacgccacgg ttattcagta 240
50 gacatctgaa gtagttaga cgtggcaatg cggttaacgt tatgttcccc tttgacacgg 300
cctctctggg gctccacatc cgttctgcag ctgctgcagc acgaggccaa atggtctgaa 360
ggacaacgga tgtatcagct gtttcacccc acatgcaaac ttctcctccg atgacaagct 420
tttgagaga a 431

55 <210> 138
<211> 431
<212> DNA
<213> Arabidopsis thaliana

60 <400> 138

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   tgctccaatt tactcctcaa cgtttcacaa acccttaatc ctctcttcaa cgccaacacg 180
   aacaacaaca aacctaatat attctctgct ctcaattcgt ttcgtgatca agctaagcaa 240
   gcttttagatt ctagaatctc tcgattcaat tctggtaagg cacctgtctg ggcgagaatt 300
10 tctgacgacg gtgggtgggtgc gagggctcag gtgacgggtc cgattcgcgg aagcgggaaa 360
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   aattcgaatg a 431

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15 <211> 431
   <212> DNA
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<400> 139
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   catccctttc cctgctact cagcttggtt ctacgagaag tgctttgatg gcgatgtcaa 180
   gtgggttggt tgtgaagcca acgaagatga atcatcaaat ggtagaaaaa gagaagattg 240
   gattgagaat tgcttgtaa gcgtcgagta ttccagcaga cagagttcca gatatggaaa 300
25 agagggaagac tttgaatctt cttcttcttg gggctctttc tctacctact ggctacatgc 360
   ttgtccctta cgctaccttc tttgttcctc ctggaaccgg aggtggaggt ggtggtacct 420
   cggccgcgac c 431

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   <223> n = A,T,C or G

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   tggagcgaag tggcaagttt gttgtggagg gaaagaagat tagtcttgta tcaagcaaga 180
   agtgagcgag aatttttggg ttgaattatc attatacctg cataggaaag tggagattag 240
   gacaagtttt gttactaaat catcacaatg ccatatgtaa acaaagatca tacttcagtt 300
45 tggaaaattt tgatttgatt gtaatctatt tttacattct attagagttt gcataaaact 360
   tcaccctaag aagttactct cttatatttg gaaccaatat aaagcaaacg catctttatt 420
   ggtggaagac c 431

<210> 141
50 <211> 431
   <212> DNA
   <213> Arabidopsis thaliana

<400> 141
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   ggaaggagaa gaaagtacag atgtggttac acaagtagat atatgatatc tcttataatg 180
   gttgtacaaa cacagggtcac aagttagacg caacaaacaa tgctactgca ccaatcccg 240
   tcagtcagac ccgggttttt tgggatacct ttagtttacc aagacagggt attttggttt 300
60 ctcaacttca aagcaatctg aaaacaatat tagacaatct ccagtcctc tctcgacatg 360

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5 tgcacaaact cggtaacacc atcctcgaac atcaccgagt gctttcttga atactcatca 420
aatgtctaa c 431

<210> 142
<211> 431

10 <212> DNA
<213> Arabidopsis thaliana

<400> 142
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ggcttgctcg tctggtcaca agataaccag acgacttggt atacatataa caacacaaaa 180
tagcgatgaa atccaacgtg aggattttca agcttcgtcg agagcgagga ctcttggaag 240
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gtctgccaaa ccaaccttct cgacggcagc aacagagtca cctcctccaa tgattgtggt 360
20 tactcccttt ccgcttagtt ctgcaagctg ctttgctacg gcctcagttc cagcagcaaa 420
cttatcgaat t 431

<210> 143
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25 <212> DNA
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<220>
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30 <222> (1)...(431)
<223> n = A,T,C or G

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agagaacgca tatccatttg cgtgaaaagt gaaaactagg actcatcacc gatgattttc 180
gagcaagatg gtgttttctg tgtgtttcag ggcttctcaa ggaaatgttg tgcgacgata 240
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ggcaccttga aagctgccaa attcttctta caaaacgctt taatgtcttc ttcggttaca 360
40 gtagttcctt ctcttggaat caccgcacag ttaatctctt ccccatattt ctcatcagga 420
acaccgaatg c 431

<210> 144
<211> 431

45 <212> DNA
<213> Arabidopsis thaliana

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<210> 145
<211> 431

60 <212> DNA

5 <213> Arabidopsis thaliana

<220>
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 <222> (1)...(431)
 10 <223> n = A,T,C or G

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 15 ggagaaatga taggtttatt aactgagagt agcagcagtc atatggtggt aaatgtggat 180
 gggttgatgc gtccgatacc gatgtctccg gttaatgcgg aggttgagga gatgagatca 240
 gagtcgccgg tggttaatga taaggcgtaa gatatttctg atgatgatca tgatgatgag 300
 aatgaaccgc ttattgtttc tggatgaatgt cgtattnnnn ctgatgagtc tcctgttgag 360
 aatcttgaga gcccttgtgc ttgcagtggc agcctaaagt atgctcatag aaaatgtgtt 420
 20 cagcgttggt g 431

<210> 146
 <211> 431
 <212> DNA
 25 <213> Arabidopsis thaliana

<400> 146
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 30 ttgaagcagg ttccttttgc ccgctcatca ctgaatcatg atgatgtatt tatcttggac 180
 accgaggaana agatctatca gttcaatggt gcaaattcaa acattcagga gagagccaaa 240
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 attgttgatg acggaanaatt agatacagaa tcagattctg gtgcattttg ggtcctcttt 360
 ggtgggtttg ctccaatcgg aaggaaagt gccaatgatg atgacattgt cccggagtca 420
 35 actccaccta a 431

<210> 147
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 40 <213> Arabidopsis thaliana

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 45 agagttgaat tttgattttc ggctgtttat atggtctccg gtcccttagg gtttttaattc 180
 ttctgcagat ctctcacgat gagcgttgcg aaatcccaag tatggcagcc atgcaagaag 240
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 tatatataga gagagagatg gcttctcgaa caacgccttc acgatcgact ccttcacgat 360
 caacgccttc tggtagttct tctggttgga ggacacgagt tggtaagtat gagcttggac 420
 50 gaactttggg t 431

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 <211> 431
 <212> DNA
 55 <213> Arabidopsis thaliana

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 60 gtttttggca ataactcttt aagaaatggg aaagcctttg tgtgattcaa cggcgacatt 180

5 tcaatctcct tcaccaacgg ttccttggag agaaccttct acagtcgccc tgtctctcga 240
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 aatggccgcc gcaactacca ccgcttggga tgagggtttt ggattggagg aggcgcaaag 360
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 <211> 430
 <212> DNA
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15 <400> 149
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 catgtctctt ctttatgggtg tgtatcaatc cactcactca ctatacacta aagaatcttg 180
 20 tgaattatca atattcaagc agcagcagca actttctttc cccctgctt gtagtaacca 240
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 aactctctct gtgccgaact gatattagca tgtgtgaagg gcacatcacc attcctcggc 360
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25 <210> 150
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 <212> DNA
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30 <400> 150
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 tcttacatac accatttctc gatgatcaag aagcaaattc atgaatccgt aagccacaca 180
 35 ataataatat taataatcat tactaatat ataaattaaa agatgaaaaa aaaacgtaaa 240
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 tacaacacat caccaaatac aatccatgtc tctccgacca atctctcttc cgatcggagc 360
 ttttgaacca ccacaagttt ttcaacgggt gagatcgaat ttttaatttt ttaaactttg 420
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40 <210> 151
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45 <220>
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 <223> n = A,T,C or G

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60

5 <210> 152
 <211> 430
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10 <400> 152
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 gatcctcttc atctaccagt acaagattca gataatactt gacgctgaat ttgttggtga 240
 15 tgttgcgatg cgttgggtga agatcatatg gggccagaaa cagtcttaca ggtatcgatt 300
 cacctctaac tggagttcca tccatcaact caaattttgc aagagtttct gtctcgacat 360
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 tcttgattct 430

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 35 cttgttttgc ttgacgcgag gaacctgtac gagacacgga ttggaaaatt cgaatcnnna 300
 aatgtggaga cccttgatcc tgaaatcagg caatatagcg atttgccaac ctggattgat 360
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 tgtgaaatgg 430

40 <210> 154
 <211> 430
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45 <220>
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 ctggatagag gagggcaatt aaagatctca ggatttggtg tgataagatt gtcgaaaatt 360
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60 <210> 155

5 <211> 430
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 acggaccgga aagcttacag gatagatccg agtaatcccg ggtcggatct tgccggagaa 180
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 15 tacgacagca gtatcactgt tgcccagaaa tactaccgat ccgtcagcgg ttacaatgac 360
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 tacttgggtc 430

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 <223> n = A,T,C or G

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 tcgttatata ggagaagcgg aggagattcc tttcgtttat tctcttcccc gtttcccttt 180
 taacagagga aaaagaccag ctccctagctt ttccgatatt ggagtagagc caccagatga 240
 gcataattcct gtttggcttc ctgcgtttcc tgaaaccaag atgtctaacg ggtcagagga 300
 50 gattaatggt gacaaaatag aaagggatgt gcagagtaga gataatggat catctttgat 360
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<400> 158

Feature e210.53

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   aacagcatca gaattacggg tataccacag aggaattgtt agagaaccgg cttgtttcgt      240
   tagagtgttt catatttctt tgaaaaagaa gaatatttcg atgggaataa tgtcttctca      300
10  tttagcgttg gattcataat tcgtaaagct acttacttaa ttacgttacc tctgtaattc      360
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15 <211> 430
   <212> DNA
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   agattagccg ttctcaccgc gcatttggcg gtgtctgata ccgtcggatt ggaacagggt      120
   ttgccggcga tcgcgccatg gtgtacatcg gctcacatta ccgctgcacc tcatggatca      180
   ctcaaaggaa acttgacgat cgtcgatgag cgtacgggga agaaatatca ggtccctgtc      240
   tcagagcatg gtaccgttaa agccgttgat ctcaagaaga taacgacggg gaaggatgat      300
25  aaggggctga agttgtacga tcctggttac ttgaacacgg ctccggttcg atcttcgatt      360
   tgttacatcg acggagatga aggaatctta cgttatcggg gatacccaat tgaagagttg      420
   gctgagagca                                     430

<210> 160
30 <211> 430
   <212> DNA
   <213> Arabidopsis thaliana

<400> 160
35  ccgcataaac tttaaattca gaaggtgcag ctcaactcta gaatgtgaca aaggtcacaa      60
   agcaagagtc tgtaaagtgt actcgatttc caaagcctaa catcaagaat ttagctaaga      120
   caatggtttt ttcttctaag agtgcgaaaa atgggttcata aacattctac aatgtgaaaa      180
   agcccaaaga gaggaaggat tttaaacctt acggttccaa tcacctccat ttttcgctta      240
   gttctttctt ctctgaaagg acccatgtga tgtagatggc tgcaacaagt gctacaatcg      300
40  tgatcaggag aagagcgtag ctgaaatcgt cgggttagtg gtctgtaggtc tttgaaggag      360
   caagccttgt gtagaagaga tccactccat aggcaaagac gtgtgttgtt gactctagct      420
   tggacggagc                                     430

<210> 161
45 <211> 430
   <212> DNA
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<220>
50 <221> misc_feature
   <222> (1)...(430)
   <223> n = A,T,C or G

<400> 161
55  aaagaagaag agagaaacca tgtcttcgcc gagcaagcgt agagaaatgg atttgatgaa      60
   actgatgatg agtgactaca aggtggagat gatcaatgat ggcatgcaag agttctttgt      120
   cgaattcagt ggacccaaag acagtatata tgagggaggt gtgtggaaga taagagttga      180
   acttcctgat gcttatcctt ataaatctnc atctgtnnngt ttcattacca aaatatacca      240
   ccctaattgtc gatgaaatgt caggttctgt ttgtctagat gttattaacc agacctggag      300
60  cccgatgttc gacctggtga atgtgttcga gacatttctt ccgcaacttc ttctgtatcc      360
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5 gaatccgtca gatccattga atggtgaagc agctgcattg atgatgcgtg atcgtcctac 420
ctatgaacag 430

<210> 162
<211> 430
10 <212> DNA
<213> Arabidopsis thaliana

<400> 162
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gcctgatttg tgtttcttcc ctcaatacgt tgctaagacc ttacaaacac cgcttttcgt 180
catcaatgcc gccttcgatt cttggcagat caagaatgta ttggcaccaa cctctgttga 240
taaaagcaaa gcatggaaga cttgtaagct tgatcttaag aagtgtacgg ccgctcagct 300
tcaaaccggt caaggatata gagaccaagt gttggctgcg ttggcgctg ttcgatccgc 360
20 gacgacgaac ggattgttct tggactcgtg ccatgctcat tgccaagggtg gaagcgctgc 420
cacttgggtcc 430

<210> 163
<211> 430
25 <212> DNA
<213> Arabidopsis thaliana

<400> 163
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30 ctgattccta gtattatggg aaactgaaaa caatttttac ttatttagtt tcctttgagt 120
gcttcacat gtatactacc tccaccatct cttcattcat tcattgatgt cgcaccgtcg 180
gagataaggg ttgtcgtact caacgtactt ggaccagtac ggtttgact tggcgaatgc 240
taaaccacgc catggcttgt agttcccatt gtaatgcact accgctgcat tctctattgc 300
tgtttggttt agcgcgtggg catatcccag ccctagtacg tgccagctcc tatccattgc 360
35 atacgtcagg ttgtaaaatg ttatcagccc cgggtggcaac gatcccaccc acgcgtccgc 420
ggacgcgtgg 430

<210> 164
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40 <212> DNA
<213> Arabidopsis thaliana

<220>
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45 <222> (1)...(430)
<223> n = A,T,C or G

<400> 164
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50 aaacagttct tagcagagtt ggaaaaggct tcttctggta tagaggcaca ttctgatgaa 120
gcaaacattt ctaacaatat gtcagatagg attgatggcc agattgtcac cgattctgac 180
gaggatgtag acacagagga tgaagggtgag gagaaaaatgt ttgatactgc agctttggct 240
gcgcttttga aggcagccac tgggtgggtgga agttcagaag gtggcaattt taccataaca 300
tctcaggatg gcacgaagct tttctctatg gatcgacctg ctggtttgag ttcacgttta 360
55 aggnnnttga agcctgcagc agctccacgt gcaaaccgtt ccaacatctt ttccaattct 420
aatgtcacia 430

<210> 165
<211> 430
60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 165

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	caagtaaaaa	tacacacatt	gtgtctatta	tgggtttact	ctttgatcaa	atcctgcatg	120
10	tggttgatgc	aacttcttcc	cggtggaatg	aatattacat	cttcccaacc	tgaattcttc	180
	tcgtcatctc	ccatttttct	caacacatct	tccagactcc	caaccataat	ttgttgatct	240
	cctcttgatg	ctctcgtata	tttagaaagt	tccctctcta	tatcttcctt	actgaaatat	300
	acagggcagt	aacgtctatt	ttttttcctc	acaacaagaa	gctcagactg	aaaaaccgga	360
	actccatcaa	accatttctt	atttcctgag	gatttgagct	ctaacgcatt	ctttatttgg	420
15	attggatctg						430

<210> 166
<211> 430
<212> DNA

20 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1) ... (430)
25 <223> n = A,T,C or G

<400> 166

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	acctaacatc	tccaactctt	tttaatgaaa	tgtaaaacaa	caaacctctg	tggtttctgc	120
30	actaaatatc	atagagaaaa	aggtaggcat	gggatcgaga	atgatgtcag	aaatatattt	180
	attctgtctt	ctctcataac	ttgttgatct	tactcaaaaa	gtctgaagcc	gaagcagatt	240
	ccattcctgt	agcagatgca	ctgtccttag	gtgtcactgt	cttagctgct	ttgcctttct	300
	gcagtgcctg	tctttgttga	tcccattgtg	cctanaaatc	agaatgatac	aaacaaacca	360
	aacttgaatg	ggtattgggc	gttcgacaaa	gagggcattc	ttgcttctcg	ttgcaccatt	420
35	ccataatgca						430

<210> 167
<211> 430
<212> DNA

40 <213> Arabidopsis thaliana

<400> 167

	aatctgacat	tttttctcgg	gaaatttttt	tatccaaatc	ggagtaaagt	atcgaatcta	60
	gagaatccgc	tatggatgag	acctattttg	atctattgaa	tttctttaag	aatccctctt	120
45	ttacagagac	atttgtcgac	atcttactat	gcgcagttcc	gatttggctc	gccgttatga	180
	tcgggttatt	aatcggatgg	tcttggcgtc	caagatggac	cggtttgatc	tatttagggg	240
	ttcgttctaa	gcttcggttt	ttatggaccg	caccgcctgg	gtttggtgct	cgtcggcttt	300
	ggcttgcttt	caccgcctct	tctgctttct	ccgtttgccc	aaccatctgg	tcaaggaatg	360
	acaccagagc	taataaatcg	gcgaccgggt	cagcttcgtc	gcagacgcct	gttgaggata	420
50	atgatgaatc						430

<210> 168
<211> 430
<212> DNA

55 <213> Arabidopsis thaliana

<400> 168

	agatctcttc	ttattcaa	tcaattgaga	gatactctct	tcttcttctt	tttctctatc	60
	cagttccttc	tgtgcgaagt	tcttctgatt	aatttgagtt	tcttggaa	ttttactcga	120
60	tcttcatcgg	atcttagggg	tttgtttaaa	tccagatctt	gggttttggt	aaataatggc	180

5 gactccttat cctggagcga cgcaggtggg ttcgtacttt gtggggcagt attatcaagt 240
gttgcagcag cagccagatc ttattcatca gttttattct gagcctagta gagctattcg 300
tategatggt gattccaccg agactgctaa ttctttgctg catattcata acatgggtat 360
gtcactgaat ttcactgcga ttgaagtga gacgattaat tcagtcgagt cgtgggaagg 420
tggtgttctt 430

10 <210> 169
<211> 429
<212> DNA
<213> Arabidopsis thaliana

15 <400> 169
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ccaaaaaaga cagtagaatt caacatcaca acacgaaacc acaacacaa aaatggattc 120
catcatctga ttgatttacc attccctggt tttatgtaca catccttctt gcttttgatt 180
20 atctttcttc aatcgctttc aaagtcgtct tcatctccaa atgagaacac agatgcatca 240
gcccgcataa ccttgaactc actctctgag cttgaagaag cattgacccc agccccagag 300
ggtttttctg ttgcttcacc cttgctcaca gttactcctt gcaccggctg tgatgatcct 360
ttgtttccag aaatagacac tttctctgtc gcttttagtca gaacagcggg ttcattctgcg 420
ctctttttg 429

25 <210> 170
<211> 429
<212> DNA
<213> Arabidopsis thaliana

30 <400> 170
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atcatgagac agagttttcaa aatccattgg agtagttcgt ttccacgtgg agttgaagca 120
gaggaggcca atgcagttgc attcgtcgcc ttggttttgt tccctcctgc agtaattgat 180
35 atgcattttgt cataactagg gtccctgttg actttaacac cagctcctcc aaagctgcaa 240
gcaacgtctg ttgctctgtt ctggttgaaa tagctattga acacgaaaga agcatgagaa 300
accaaagtat ctggttgaaa acaaggctgg cttggctgaa tagctgtgca atcaacattt 360
ccaggaccac aagcccaatc caaagcacct ttcagatctc tctctgaagc tttagaagaa 420
gcaatgcac 429

40 <210> 171
<211> 429
<212> DNA
<213> Arabidopsis thaliana

45 <400> 171
ctctttctct ggattcacaa ctccgcgatg ctctatgctt cggtatgtcc cattagttat 60
gatctctaag acgtctccaa tattgacaat gaaagcattt gggaggggtt taacagggaac 120
ccatttccca tctttcttga tttggagacc ttcaacgtca ttcacttgca tcagtacagt 180
50 gagtccgacc gaatcagaat gcgggggttag accaataacc tgatctggtt gtgggcatgg 240
tgggtagtaa ttcactcctca tactttgaac cgaatcaaca tcatcaaaca acttttccag 300
ttcctctggt ttgatctcta gggctcttgc cattttcgct attaatctct tagctacgt 360
ctgcacttca gaagaatata tctccagtgt atctctaaag ggaagaggta gcttggggaa 420
caagtgagg 429

55 <210> 172
<211> 429
<212> DNA
<213> Arabidopsis thaliana

60

5 <400> 172
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ctagcttgta aaggttacat tagatatgtc cttaaacttt tctttaatcg ctgcctgtat 120
tcccattcca atcgactccg gtccaacata ttttacaacg cagtcctcgc cttcaaccga 180
taaaacttca acaactccgc catagtctct gatagctggc ctcagtatat ctagatgagc 240
10 attcactgcc tccacgggta tctgttttac ttcttcatca aaaacttgct gaatatcttt 300
caatgcattc ccaaactttt ccttgagtac cctctctatt cccattgtca tagttgttga 360
agaacttgga cagctgggtac atgctccttg gagcttaaga gagactaccc catcttcaac 420
ggagacaac 429

15 <210> 173
<211> 429
<212> DNA
<213> Arabidopsis thaliana

20 <220>
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<222> (1)... (429)
<223> n = A,T,C or G

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ctacgacaac gtgtttggcc aagactctga catcatcaca tctattacct tcaatacatt 120
caagggaaaa acatctcccc cctatggatt ggaaacgcaa aagaagtttg tactgaaaga 180
caaaaacggt ggcaaaacttg ttgggttcca tggacgcgct ggcgaaagtc tatatgctct 240
30 tggagcatat tttgctacaa ccacaactcc tgtgactcct gccaaaaaac tatctgcaat 300
tgggtggcgat gaaggaactg catgggacga tgggtgcgtac gatgggtgtca agnnngtgta 360
cgtaggacaa ggccaagatg ggatatcagc cgttaagttt gagtacaaca aaggcgcgga 420
gaatatcgt 429

35 <210> 174
<211> 429
<212> DNA
<213> Arabidopsis thaliana

40 <220>
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<222> (1)... (429)
<223> n = A,T,C or G

45 <400> 174
taaaaaaaca aaaaacaaac aaaaatggct tcccacattg ttggatatcc acgtatggga 60
cctaagagag agctcaagtt tgcattggag tctttctggg atggcaagag cagtgcctgat 120
gatttgacga aggtgtctgc tgatctcagg tctgatattc ggaaacagat gtcctgctgct 180
gggattaagt atatcccaag caacaccttt tctcattatg accaggtgct tgacaccacc 240
50 gccatgcttg gtgctgttcc atctagatat ggatttacca gtggtgagat cggctctcgat 300
gtttacttct ccatggctag aggaaatgcc tcnnttcag ctatggagat gaccaagtgg 360
tttgacacca actaccatta catcgtccca gagttgggac ctgaagtga attttcttac 420
gcattctcac 429

55 <210> 175
<211> 429
<212> DNA
<213> Arabidopsis thaliana

60 <400> 175

5	gcggccgctt	agcctccaag	agagagagag	agagagagat	ctgcatatag	agaatgatag	60
	aaccgtcgat	ggagagagag	aatggtgctt	taacggcggc	gacaacaacg	acgacggcgg	120
	tgactttctc	tcctccgatg	gcttcttcac	cgcgtcaagc	tttagttgag	agattgaaag	180
	attatggaca	agaagatatt	ttctctcttt	gggatgaact	ttcaccagac	gagaaaagatt	240
	ttctcgttag	agatattgag	aatttggatc	ttccaagaat	agatcggatc	attagatggt	300
10	cacttcactc	tcaagggtta	ccggttgccg	cgattgaacc	ggtagccggag	aattgggttt	360
	cgacagtaga	tggtagaaca	atggaagata	gagagaaatg	gtggaaaatg	ggattaaaaa	420
	ctatctatg						429

<210> 176
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

20	tcgagcggcc	gcccgggcag	gtcggagcca	cgatctgcat	ccagtcaacc	tactggcggg	60
	tcggtgagtt	tgaccacgag	aggaagcagt	acttcgtggt	tgctgggtcca	aagccagaag	120
	ggttcggaca	agattcggtg	aagagtttct	tcaagatcga	gaaatctgga	gaggatgctt	180
	acaagtttgt	gttctgtcct	cggacttgcg	actctggcaa	tccaaaatgc	agcgatgtcg	240
	gtatattcat	agatgaactt	ggcgttcgtc	gtttggcttt	aagcgataag	ccgttcttgg	300
25	ttatgttcaa	aaaagcta	gtgaccgaag	tttcgtccaa	gactatgtga	gaggacaact	360
	ctcgatcttt	tactttgact	aataataaaa	cctatgtttt	ttttgataaa	aaaaaaacct	420
	gcccgggcg						429

<210> 177
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(429)
 <223> n = A,T,C or G

40	tcgagcggcc	gcccgggcag	gtaagaaatc	tccgggcggg	cgaagaagat	gaaatcgttc	60
	aaggaacaat	acacgttgga	tgaaaggctc	gaggagtcgc	gggagataat	cgctaagtac	120
	cctactcgga	ttccagtaat	tgctgagaag	tattgcaaaa	cgatctgcc	tgccatcgag	180
	aaaaagaagt	ttctggttcc	aagagatatg	tcagttggcc	aattcatcta	catattgagt	240
	gctaggttac	atttgtctcc	tggtaaaagc	ttattcgtgt	ttgtcaacaa	cactctccct	300
45	caaactgctg	ctctgatgga	ctcgggtctac	gaatcttaca	aagatgatga	tggattcggt	360
	tacatgtgnt	atagcagtga	gaaaaccttt	ggttgatcca	ataatgatgt	tagtgtctgt	420
	gtacctcg						429

<210> 178
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

55	attagaccaa	catttggttt	ctatcaat	gtttgcatat	ctgtactatc	acacacattt	60
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	tgtaa	atgta cacatgcaaa	gaaaaagagg	caaagcaact	catatctttt	tgatctggga	180
	atccagcaaa	gcacgaccag	tatggcagat	ccggtccctt	tacctaaact	tatcccacca	240
	tgattaacca	ttcaatataa	gatgcaaacc	tggacctgat	ccaggtaacc	gagcactgat	300
60	atgagtgttc	agctgctaag	ccgataataa	ctctaaccgc	tttgactgga	ttgggcaaa	360

5 gcaaatctac tcgtacttgt atctgttctc ggactctctc gtttatgtac ctcagaagac 420
atagtctcg 429

<210> 179
<211> 429

10 <212> DNA
<213> Arabidopsis thaliana

<400> 179

15 ccacgcgtcc gatcttttaa agggactctt tttggtggtt ggaagcctaa atctgatctt 60
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aacctgtcat ttgatgaaat caacaaagct tttgttctta tgagagaagg aaaatgtttg 180
cgttggtgttc ttcacatgcc aaagtaatgt ctcggaaaac acatgtcaca gattcaagaa 240
agattaacga gagctctgta tattctacag ctgagttggt gtataaaaca aaagtgatgg 300
ttttctatag agttatgaga cttttttttt tcttttggtt tgttggaag tgatcgttca 360
20 tacattataa agatggattc tcacatgatg aatcaaacga gttcctagaa aaaaaaaaaa 420
aaaaaaaaa 429

<210> 180
<211> 429

25 <212> DNA
<213> Arabidopsis thaliana

<400> 180

30 ccacgcgtcc gaaagaaccg aacacacgct atataccact ggaaccgcaa tgatgatggg 60
aagaaagtgg caacggatga atttgtatta cacaaccagt actggggaaa gaacattcga 120
cggagaaaagc ttaagaagca ttatatcagg agtgttggtg gtggctggat cgccacttaa 180
ttcactaagt ctgctcatg ctttgtatca aagtgtgtga ggatattctt ttaactcgga 240
acttattact taatttgatg ttaaactctt ttcccgtta agttttcagc aatctggaat 300
atgaagggaa ttatgtattc ttatcagtct tttgatgaag tgaggtctac ttctgggatt 360
35 atggatttgg tgaataatgt attccttaga acggtgttaa ggaattgttt cacatgggtg 420
tgaattgag 429

<210> 181
<211> 429

40 <212> DNA
<213> Arabidopsis thaliana

<400> 181

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ttgagaatac ttaaatacaa aggtggagac ttagctaaaa ccctagagac attggacaga 120
tgtcatacat caagttgagt cttctgaatc aagggttgag aaacgattct cgagctttac 180
gttgaaactgc tttgccgtac aagaggtcgt tgtctcctta ttgccagctc cacttttgtc 240
attacttgag gaagattcta gactctgttt acttgaaaca gatgaccgtt gcctccactt 300
ctgcttcttg ggcttggttt gtgcgaggcc catctgtttc attttctctt ttgctccatt 360
50 agccgaaacg acaacgtatt gtcgtttgcc agagaaaagcc tctgctctta cctgtattgt 420
gttgatact 429

<210> 182
<211> 429

55 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature

60 <222> (1)...(429)

5 <223> n = A,T,C or G

<400> 182
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10 tctgattcct cgagttctag atcagcatgg gcttagttcc gagttcctca agattccaga 180
ggctatggta aagaatataa ttcagaggta tacaagggaa gccggtgttc gtagtctaga 240
gaggaacttn nctgcttttag ctctgtgcagc tgctgtgatg gtggcagagc atgaacaaag 300
tcttccgttg agcaaagatg tgcagaaact tacatctcct ctgcttaatg gtagaatggc 360
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15 aggcacctt 429

<210> 183

<211> 429

<212> DNA

20 <213> Arabidopsis thaliana

<400> 183
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25 agatcctcgt gaagggtcta ttagtaaaga tcctgattat cttgagtttc ttaagggtgat 180
tgcacaacct gttgagaatc ttcctagtgc tgaaatccag ttggaaagaa gagaagctga 240
gcagtctggt gcttcaaaag cggctcccat tgttacacct cttatggaat tcatacgtca 300
aaaacgtgcc actgtgatgg gacccaggg tttatctgat attcgaagag gaggtagaag 360
aaccagagta gtctctgcaa acaagccgag tccaaggccc tcgaaacgta actctgaaaa 420
30 gaaaaagta 429

<210> 184

<211> 429

<212> DNA

35 <213> Arabidopsis thaliana

<400> 184
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tgtttcatgt tcttcgacaa ttcattgagac ttgcgagtag atgaaaacca gtagtttgat 120
40 cggggtcttg ttcataccat ataagtcatt ccaacttgca tcaaatgtgt atgcggaacg 180
cttaggtttg ttatccctct cctggagtgc ttcttcaaga aagcatacaa gtaattttatt 240
accagcttct tcagaaacca agaactctta gttagcctta tgtcccatg tcccagtaga 300
tacaccacc ctgactcttt cgctttgtgt ataaacgaca attctttttc tagactctgc 360
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45 atgggtcgc 429

<210> 185

<211> 429

<212> DNA

50 <213> Arabidopsis thaliana

<400> 185
cttctattac cagaaaggaa agaaagccga aatttgtttc aagataaagt aatttaagtt 60
ggagcttggt tcttggtcgt acagtgtcag gtgaatagag aagaagaaga tggaaaacac 120
55 agacgagctt gtctccattg agctaccagc tccagcttca tggaagaaac tgttttatcc 180
gaaaagagcc ggtactccga gaaagacgga gattgtgttt gtggctccaa cgggtgaaga 240
gattagctcg cggaagcagt tggagcagta cctgaaggcc catcctggca atcctgtcat 300
ctctgagttt gagtggacaa ctggggaaac tccaaggagg tcttcaagga tcagccaaaa 360
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60 tctcacgaa 429

5
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 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

10
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 <222> (1)...(429)
 <223> n = A,T,C or G

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 caacactcat agaatccaag gtgatcaacg acaaagcttt ctcaagaaca caagggttta 180
 20 tcgtgggatt cacggatata cgactccaaa tttaaacctt tgacatcttg agagtgtgta 240
 gtcccacgaa tgaccgaaag ggcattccaga gggccttctt tttgttgagc cgcccggccc 300
 accaccacgc cgtgggtacta ataccacatt gttgcatggc cacttttatg ccattcttgt 360
 ctttcatgac acacctcgcc ccaacactag aggcgatcgt tctttccacc aaaagaggag 420
 atcccaggt 429

25
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 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

30
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 gtgggcgcct ttcttctccg gtggtgtgtg gtgtggtgga tctatggttt caatgcgaat 180
 35 tgggtggctct cctcacagca gccatgagat gatgttcctc cttgtctgct ggtcatggac 240
 gctagcggat tggaaatggat tctttaggct cgacagcttg tgagctgtag ctccggtgag 300
 cggcagaagt cggactgtag atcgggtgggt ttcacctctt tgcgacgaga ttaacagtgg 360
 atctttgggtc ggatcctaga tggcgagctg cgggtgttcc ttagctggat cttggtggat 420
 gatggctt 428

40
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 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

45
 <220>
 <221> misc_feature
 <222> (1)...(428)
 <223> n = A,T,C or G

50
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 caaaaattca cacttaagga ttttgttttc atcttggtac cgtagctagc tagtaccata 120
 aaaagtttta ctgattaccc gtaaaactat taatttttct actttgacat gtttagcatt 180
 55 tattccctga caatccgata acatttttgg atagatcgta agtgatacgt gtcccttgct 240
 gctgcacatt cccgatgatc gacaacgacg acgacgtcgg agcaaaaagcg aannaaacgt 300
 tccactatca tccacaggga tcagataatt cttcgccggc aaatcaagcg acttccctcc 360
 cgtgaaatga aacgcaaccg tcggtacttt cacagtggag agagacgaga aatcgtaaca 420
 cgtgtcga 428

60

5 <210> 189
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 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
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 <222> (1)...(428)
 <223> n = A,T,C or G

15 <400> 189
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 cacacattat agacaaanaa gtaaagcaaa tcacatgtca acgtccaaag cattggaacc 120
 agagacagta tgtgtggttg tgcacccgac acataatccc caacctctta ctgaccggaa 180
 agaaaaataa ctacctgatc caccgacaat tttaactcct ggcaacattc aagcagcgga 240
 20 cgggtgcggtc acgtagttag gccggccagc ttcagtaaga gcggtgatga acggcttcag 300
 attcacgaga tcgacctctg tgtccacaac ggtaacaggt ttcttgtaat ccaaggattc 360
 gtcgtcgtaa atgtncacc attttttcac taacattttt atatcttccc tctccatgtt 420
 cgcttctt 428

25 <210> 190
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 190
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 ttacaaaatt gcaatagaaa agagctcaaa aaccaaacaa gaaattattt caagaaacaa 120
 aagatccttc tcatgaggga tgatgattat aatttagtaa gctctggagt tagatttgct 180
 gcaaaccctc ctgatctctc cgacgcgac ttcaccagtg agaacaccaa cgttgaccag 240
 35 cttagccatc gacacagcaa actgctgtct gaatatctga ggtgattgct ctgcgaaagt 300
 ctttacaagc ggacagtcc tgggtcctta acaagctcct gatcagtcga caaaactccc 360
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 agatcgac 428

40 <210> 191
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 <212> DNA
 <213> Arabidopsis thaliana

45 <220>
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 <222> (1)...(428)
 <223> n = A,T,C or G

50 <400> 191
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 ctgaggctct ctttccttca actgccatag agaccagaga tatggaaacc aacaagtaca 180
 tctatagtgc taatgatgtc ttacatgaca aagaaattct gaagtagcgg cttgagaggt 240
 55 catatgaaat taagtaacct aagaacgaca catgtttatg ggatccattt tgcatgnnnt 300
 attcgcaatc aagcacagaa caccagtaga ccagctaaat ttcgtaacca agactaagaa 360
 aaactagcaa aataggcaca actcaaaagt aatcaacact tctaatttct aactagttca 420
 aaacagta 428

60 <210> 192

5 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<400> 192
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 tttttaagga tgttgggtta catcaaagca tggaaactact taaatagttt tggaaacaca 120
 agacatgaat gaaaagagaa gaaagctggt gctgaatcgt gattgagaga aagtagagag 180
 agctacaacg cttacaacaa actactacta gtcagcagtc cagctttgct caacaacatc 240
 acgcactctc ctgttggtact cgcgcttgct ttcgctgtac atccgagcag cttccgagtt 300
 15 tgcaggagaa ttcggattag ggtcacagag caaggactgg atggaggtaa gtatagcagc 360
 aacatcatag attggactcc actgggtttg tagaatgtcc aagcagatac tcccatctgc 420
 ataaatat 428

<210> 193
 20 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<400> 193
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 acagttttttt ttaactaaaa ccaaaagaaa tcgaatacca acaccttata gatacaattt 120
 tcatcaaccc acttttgggt tttttctttg tatgtcgttt tctattggtt tattttattgt 180
 tcagattaaa accacactcg aaacaagtac tttgcgtcat gaaagtttat cagcagagat 240
 tctaactcgg taattaatta accgcagagc aaaccctacg gatttcccca ttagctccgg 300
 30 taaccacacc gatattactc attctgacca ttgacctcgc aaactcaacg ttgaagggtgc 360
 ttctaggagc catcaattgt tgcactatgg gtctagtggc tggatcggtc caaaggactt 420
 gatcggat 428

<210> 194
 35 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 40 <221> misc_feature
 <222> (1)...(428)
 <223> n = A,T,C or G

<400> 194
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 cacactacac ataattcata gcagagttta agatacagaa tcagagaatg attcagacaa 120
 ataaggacaa catcaacaac aaaaagaaan naaaaacaga aaaataagcc tttttgcacc 180
 agaactcaaa aagtcgaact tgaacctggc aattgtcaat aacagttgca aaagctgaat 240
 ctcatgtttc ccaaaccaaa ggatttcaat ttgtactact gtataccttt ttcaggcaaa 300
 50 tttgaatcca ccaacgggag cagcgggatt gttcccaaaa ttgaaagcct gttgtgaatt 360
 gtcattcccg ccgtcctgca gaatctgttc ttctcttctc tcagcccaat atctctccaa 420
 tatcttaa 428

<210> 195
 55 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<400> 195

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gccaggaatg gcgagtgtga aggatatgcc gctgcttcag gatgggtccg caccgggtgg 120
gttcgcaccg gtccgatatg cccgccggat atccaatacg ggtcctagtg caatggccat 180
gttccttggc gtttctggtg ctttgccttg gggaaatgtac caggtcggcc agggaaacaa 240
aatccgcagg gcattgaagg aagagaaata tgctgctcgt agaacaatac tccccattct 300
10 tcaagcagaa gaagatgaaa ggtttgtgtc tgagtggaaa aagtatctgg aatatgaggc 360
tgatgtaatg aaagatgttc cgggatggaa agttggcgag aatgtgtaca attctgggtc 420
ctggatgc 428

<210> 196
15 <211> 428
<212> DNA
<213> Arabidopsis thaliana

<400> 196
20 tcgagcggcc gcccgggcag gtttttttta tgggtgaaga actttcaaaa taacaatgaa 60
actttaaaat agccataaca taaacaaaac aaaacaaaaa gacgaacaga aaacagaaag 120
tactacagtg ataggtttga taatgtaatt agttaattaa ttgctctaata acagaaactt 180
agggcttgtg attctgagta taaatgtaat cgggtgtgaag aacaaggctt cgtcttatca 240
aacattcttc ttctccaatt ccgttgacgc ttctctcttc aaccttgtct cttcaattt 300
25 ccttgacgga gttttctctg gacaaagcgg tgggtgtcgt cggagtcagc cttgctgcgt 360
aggttagcgt agagcaaaga aggagagcca tgatgaaaat ggttgtgaac ttaacctcgg 420
ccgcgacc 428

<210> 197
30 <211> 428
<212> DNA
<213> Arabidopsis thaliana

<220>
35 <221> misc_feature
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<223> n = A,T,C or G

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caanaagcaa agagtagtaa actgattatt ttacatatga ttcaacacca annngaagaa 180
gaagaaacaa tacatctcaa agtcgaaaca acttatagaa caagaccggt ttgtatcgag 240
caaaggcttg tccgatcgcc agtccaaaca aactccggg tccatagcct atcgagctg 300
45 ctttccagtt caatgcgtgt tcttgcttag gtatgtcttg ctcttctgtc tgtggtgttg 360
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tcccttca 428

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50 <211> 428
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<213> Arabidopsis thaliana

<400> 198
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actgggacca ataccattac actcgagtct atgaagcaac aaacatgcaa caagctcgct 120
tatagcttca caacacttac acttgacgat agaattgtta gtctcttgca cacaaattaa 180
atgaatcaaa tagatccatc gctataggat ctatgcaatt tactcagagt ttgtggggaa 240
gctaattcta tatgtcaaaa gagatgaaca tcttcttatt tttctctttt acttctgttg 300
60 ttgttccgcc attgccttaa gcttttcttc caaatgtct ttctcaagac cgtacattct 360

5 gttcaaagca tgcataattct caagggtctc gctcagcggt ctactgtcac ttccgtcaca 420
tctcaaat 428

<210> 199
<211> 428

10 <212> DNA
<213> Arabidopsis thaliana

<400> 199

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ttaataaatc tgtacttgct gcaataccta caaatgtaca ttgatgcgt gtctcaagat 180
cgagatggaa tgcgggtgag ccatgcctga aaagtgcctt ctccagtgc aattatctat 240
cctctgagca gttaacttcg tggttcaaaa tcaggacaat aactaaaaca ttttatcccg 300
agacttcata gattcaccaa taatgtgatg gccagctatc agatcagacg cttctctaata 360
20 gttgcgtgga tcgtgggcaa aacaagtctt aacattgaga cgtaagccgt ctgggttcctt 420
aaacaaca 428

<210> 200
<211> 428

25 <212> DNA
<213> Arabidopsis thaliana

<400> 200

30 agattactta gctactgtgg atgtggaacc gagttcatcc acatactcga gtgttatcca 60
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ctcttgctat ggtgattctt cttgcgagag acgttatctc atcttgctt ctcttctgtc 180
tggtcgtatt tacgtgatcg atacgaaaac aaaccgagg gaaccatctt tgcacaaatt 240
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cttagcttcc ggagacgttc ttgtgtcttg tcttgagac gaagatggaa acgcagaagg 360
35 cagtgggttt ctcttacttg attccgagtt taacatcaaa ggaagggtggg agaaggatgg 420
aaacagtc 428

<210> 201
<211> 428

40 <212> DNA
<213> Arabidopsis thaliana

<400> 201

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ctgtttcttc acaaaaaaac aaaaaaaca tgttgtgtgc atcatcttcg cttgctcttt 120
tgggtcctcc ttcttcagct atgggtgacta tggcttcttc accagtgtcc agatttggtg 180
gatttggtca tcatactatt ctcaggatg ataatgatca acgtcttcgt cgtgggtgtt 240
cttggactgg aattgaaaag aagatccctt ttctcggaa gaagactgcc tctgcttctg 300
cttaccctct ctttcgcagt cagcatacta aagactcatc aagacccaaa aattacaaag 360
50 aggttactaa gtcagccagg caaatgtttg ctcgagagat ctctatccaa tcgaaagaca 420
gtgaaatt 428

<210> 202
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55 <212> DNA
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<220>
<221> misc_feature

60 <222> (1) ... (428)

5 <223> n = A,T,C or G

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	acaacagtgc	tctctataga	tcattttttcc	aatggaaaga	tgaataactc	tcaccgggaa	120
10	taaaagatgt	tgattttctct	gaacccaaaa	gctattaaaa	aaactccatg	aagtttcctt	180
	ctctaactct	gtagagcggc	ttgagcaatc	tcgagagctt	cttcgactga	agatgcgctt	240
	gcgngtttag	ccttatcgac	aagtgggttg	cttcttgcta	gctttggtag	aagctggaac	300
	tcctcaggcg	atccgccttc	tactagaaca	cctttcaacc	tgccagattc	aatccagaag	360
	gtagcgattt	tcgggtcaaa	gttcccaacc	tccactgttt	ctcccacatt	atctccgaaa	420
15	aactgccca						428

<210> 203

<211> 428

<212> DNA

20 <213> Arabidopsis thaliana

<400> 203

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25	gagggctccg	agcattatct	tgtacctctt	tcagcaactg	gcttttcccg	ttttccatca	180
	gaaaccaaag	ccctgcctct	cagagggctg	agagcactta	cctctctgag	cgagccttcg	240
	tttcttgaac	ccaatgttcc	cgatagcttt	gcaccaagca	agtacagcga	tatacctgac	300
	acgtatgatg	atcttgattc	attcaaagat	tacgataatg	ggaacggggt	tctgtcgggt	360
	gctggatcaa	acagtgtagc	ttctgatgca	caacaatcat	tttacgatat	tgatgatcaa	420
30	gtatttttc						428

<210> 204

<211> 428

<212> DNA

35 <213> Arabidopsis thaliana

<400> 204

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	aaagtcatac	acacttccaa	agactcttcc	tttttttcca	tattggattc	ttcgatacaa	120
40	aatccaagat	tctcggtttc	cgaaacacct	aaaccgggtc	caatcatcac	tcccgttaaa	180
	gccagtgcag	ttcaaactgt	gatcagatgc	gcacagctgc	atggaattca	tgtaaggact	240
	cggagcgccg	gtcactgcta	cgaaggctct	tcttacattg	cgtacaacaa	accattcgct	300
	gtcatcgatt	taaggaatct	tcgggtctata	tcattagacg	ttgataaccg	gacaggttgg	360
	gtccaaaccg	gagcaacggc	tggggaattg	tattatgaga	ttgggaaaac	caccaaattc	420
45	cttgcttt						428

<210> 205

<211> 428

<212> DNA

50 <213> Arabidopsis thaliana

<400> 205

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55	gatgccttcc	gacacctttt	cggtacaaga	atcgctcttg	cttaccagaa	ggaggttaata	180
	tactactaaat	tatatttgtc	tgagtttcca	tgagattttt	gattatttgt	ttttattgtt	240
	tttgataga	tgaagctact	tggacagatg	ctttactatg	ttcttacgac	aggttcaggg	300
	caacaactt	taggagagga	atattgtgac	attatacagg	ttgcagggcc	ttatggactc	360
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10
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 gctatggatt cagacaaatt ggagaagatc ttcctgagaa tgtcacctta aaagatatca 360
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 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

25
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 30 ggaacccaat gccatgtcct tcttccaaca tgaaaaaaca gaatctcagg ccaattgtaa 240
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 caaacccaag taaacttcct acaaacaatg tccggtaatg tttctacttc gatccaactc 360
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35
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40
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 45 accggattga ttatcttttt accgcctttt atgtagccta tggcaacttc tctccttagc 240
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 gcttttcgtg aaagggtttt cggattcagt gagtgaagga cgtttaaaga aagtcttctc 180
 60 cgagtttgga caagttacca atgtaaaaat catcgcaaac gaaaggactc ggcagtcact 240

5	g ttgagccag ctagtccaga ttccgacgaa gggatctcgc tgctcgagtt tcacggtaac	60
	ggtgaccggt cctggcagtt aaatttcgat gatttccagg tttcaccgga acacaaggag	120
	aagaaatctc cgagtaaact acacaactgt cttgggttgtt tgggtccgga agacaatgtg	180
	gcagattatt accagcagca agtagagatg cttgagggct ttactgaaat ggatgaactt	240
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	tggaagatta gtgtgatgag ttgtaccatg agactaaatt taaccggctc gtttattcaa	240
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25	ttatttgttt gttgttgttt ttttgggtgt tttgtgtttt tgcggtattg taattgtaat	360
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	caaggagagt aacagcattg acaaagccat tccaccaaaag cttgtcagta aaagactttt	120
	ccttcccatt ttatccatca acgatgaagc aacagcagtg ccaaagacat ttgatgctcc	180
	aacgagagca ctggctgcaa catctgattg gattcccgc caacggaata ccgatgtgga	240
	gtaatacaca actgcgttta tcccggctaa ctggtgaaac aagaagagag ccgcacctac	300
40	gcttacaact ttccagtagc ggctgctgaa tagatcaaac catcctgcct ccggctcaga	360
	agaaccttgg ccagaggctg ataagtcgcg aactagtcca accactcttt ctttacctgc	420
	ccgggctg	427
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	<212> DNA	
	<213> Arabidopsis thaliana	
	<400> 216	
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	ccgcgaagac ccagaaacca aaatcgaaga cccaacaaaa cccacaagtc gaaatctcga	120
	aatccggtga gagtttgttc ctttttttgt ttgctcggag atggaggctt tgccggagga	180
	tgaagagtac agtttcaggg aagtagtgtt gccgtctttg attccggtag tgccggagcc	240
	ggaacttgag agagagagcg gagagaggag aagaggaaga gatgttatcg tagccgttga	300
55	tcatgggtccc aatagcaaac acgcttttga ttgggctctt gttcatttct gtcgtctcgc	360
	cgatactctc catcttgtcc acgcgctctc aagttcgttc tctcttcaat gtgttaagaa	420
	cgatggt	427
	<210> 217	
60	<211> 427	

5 <212> DNA
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<400> 217

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	gatccagaac	cgtaactcaa	aagtccctca	atcttaaacc	cacaactact	tcattctcctt	120
	tcgcttcaat	gtctcaatcc	atccctcgcg	cttcgagggt	tctctctgct	ttgggaagtg	180
	ttgaaacgat	gattccactt	cacagtgccg	ttgcttcagc	tcgtctccgg	tcaagcatcg	240
	ctgctgattc	ctcttggttg	agcttgcttt	ctcagggact	tgcaacgcct	ttgtgacccc	300
	ggctctgctg	atcgatataa	ggcggaaata	atcaatatat	tacaatgaat	gaacaagaat	360
15	agtgtttttt	tttctagttc	gaactctatc	gtcaatgtat	tggtgtgtgg	ttcacaagga	420
	cttggttg						427

<210> 218
 <211> 427
 20 <212> DNA
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<400> 218

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	tcggtttctg	ggttggaact	tgaagttatg	agcaatcttc	gagctatctg	tagaccatac	120
	tctgtgttct	cttcgattgt	gtgttgtagt	agacatcaaa	gtcgatcact	ttttaggggt	180
	tcgattaaaa	acgtcgcttc	tagaaaccag	agttcgaatt	cgtcttggtt	taggtctaaa	240
	aattcgaatc	tttggtttcg	tttgaatcag	aggaagactc	tagttagagc	atcgaattgg	300
	agccaagaga	aatctcctta	cgatactctc	gagttggata	gaaatgcaga	ggaagaacag	360
30	attaaggtag	catacagaag	attagccaaa	ttctatcatc	ctgatgttta	tgatggaaaag	420
	gggactc						427

<210> 219
 <211> 427
 35 <212> DNA
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<400> 219

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	caacttcttt	tgggtggatt	gatgatggga	gaggaagaga	gattggagat	gatgaaccat	120
	cataatcatc	atgatgaaca	acaacaccaa	ggttttcaag	ggaagataag	attggagaat	180
	tgggaagaac	aagtgttaag	ccaccaacaa	gcttccatgg	tggctgttga	catcaaacaa	240
	gagggttaaca	ttaacaacaa	caatggctat	gtcatatctt	ccccgaactc	acctcctaac	300
	aaatcttggt	ttacaacaac	taccacaaca	aacctgttat	gaatgaatga	gaacagatta	360
45	catcttcttg	taatttctct	ttacctattt	cagttgtaag	gatcatttta	atgaattaaag	420
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 50 <212> DNA
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<400> 220

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	aattggatca	gcaatcggtt	tcagatttca	tagcggatct	actcgttgat	tatccaacta	180
	gcgattctgg	ctccgttgat	ttggcggctg	ataaagttct	aaccgtcgat	tctcccgccg	240
	ccgctgatga	ttccgggaag	gagaattcgg	atttggttgt	tgagaagaag	tctaattgatt	300
	ctggtagcga	gattcatgat	gatgatgacg	aagaaggaga	cgatgatgct	gtggctaaga	360

5 aacgaagaag gagagtaaga aatagagatg cggcggttag atcgagagag aggaagaagg 420
aatatgt 427

<210> 221
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10 <212> DNA
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<220>
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15 <222> (1)...(427)
<223> n = A,T,C or G

<400> 221
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tgagnnncaa taagtccatc atttatcatc atcatcatca acaacataga tcataattaa 120
acacaatttt atacaatata caatttggag ctctgataaa caacaactat aacaaaagtg 180
cccaaataac catgtatata cacacataag cgatacttgt tatcaacttt cgaatttcca 240
atagcacaga acttgagcaa atctagaaga ttaagagatc ctcttcacg ttgtaacca 300
tcttctctag atttggctgc aacgcaaact gaatcatagg cgggtggtccg catgcgagtg 360
25 ctagegatgc gccttccaaa ccttcaggga tatgttcctt aagcacagct tcagttcgga 420
cgcggtgg 427

<210> 222
<211> 427

30 <212> DNA
<213> Arabidopsis thaliana

<400> 222
35 tatttcagta acagatgcat tatattgggtg aaggaattga atttctcata taacataaag 60
aaactagaag aaagaaaata catatacaga ttttctttat ttcagaatat tcttaataac 120
cccaatagta gtaattcgcc tagacagggc tcgcatcgcc ggattgaagg tacgaacgct 180
caccggcatt tttcttccca gtaaataacc gatcaaacgg tgaccttatt gctagaagca 240
aaccttttagg tgcaccagca cgatcctgat aattaccact agcgttgata atctcatccg 300
gagactgtat cgaccgggta tggataggag gagttataga aaatgggtctc cgggtccaacc 360
40 gaccgtcttg atcaaaccgt tcaaagtaga aatagttctt ttcagtcctt aggcttccgg 420
ttctgaa 427

<210> 223
<211> 427

45 <212> DNA
<213> Arabidopsis thaliana

<400> 223
50 aaaccaaatc tcacaatcca aaaaccctat atcctaacaa caaaccaaga tgggaatcca 60
agctccacgc tggacctaaa gggtttcaat cttctagaac ctctgaaaaa cccggccggc 120
cagaccggga cccggaagac gatccccga tacctcaaga agtggtcgag aggatgatgg 180
ggaggattgt ggtgtctgtg ggaacaccac tgggcttggg agtggcgatc ttgaaagtac 240
tcgaagtttt gaaggataga aacgtctggg acgtgccttt gtgggttcca tacttgacca 300
cactcgtgac ctttggttcg tcggctcttg ggattgcgta cggaagcttg tccacaaacc 360
55 tggaccgggc caagactaac tctctttttg gactcaaaga ggcaaaggag aattgggtag 420
agatgtg 427

<210> 224
<211> 427

60 <212> DNA

5 <213> Arabidopsis thaliana

<220>
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10 <223> n = A,T,C or G

<400> 224

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gtttcgatta	aaccaaacgg	atcatatgca	ccagcattaa	caaaaaacaa	ccgatatttt	120
gagactcaaa	acaaaaaaag	attacgactt	tagaagtccc	aaaaagtttg	cagcttcgaa	180
ccttttcatc	aaacactgcc	ttggccaaag	tcttgaatcc	tgtcaccacg	aacattttaag	240
ctctccattg	cattctccaa	tccagaactc	atctcagcca	acacatgagg	atcattgtaa	300
tgttgaacag	cttgaacaat	gctcctaagt	ttcttaaacg	gatcaggacc	atcaaaaacc	360
tcannnnnca	caaaaanccc	atcacaacct	agctgcatca	tcaaagctgc	atcagcagga	420
gtcgtga						427

<210> 225
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 <212> DNA

25 <213> Arabidopsis thaliana

<220>
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30 <223> n = A,T,C or G

<400> 225

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aatgggagct	aacgcggcca	cggaacaacc	tgagaaatcc	attgttctaa	tcgatttagt	180
accgcttgga	gataaattcg	ataacatgac	tgnaatgctg	acttaccaga	gattctggag	240
tanannngtc	tatatagatg	aaccaatctt	tggcggatac	gacgtgattt	acgtgcgtaa	300
tcctggttta	cccgttccc	cgccaacttc	tggtatgacc	attatagatc	aaggaccgta	360
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gcgcaag						427

<210> 226
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45 <213> Arabidopsis thaliana

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50 <223> n = A,T,C or G

<400> 226

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gagcatgttg	tggagagaaa	agaggaatct	acctcatctg	aggattcctc	ttccccca	180
gatgaatctc	aaaatgatgg	tagtgctgaa	aaggaggaat	cagacgaggt	taagaaagtg	240
gaggattttg	taaccgagaa	gaaggaagag	ttgtcaaagg	aagagttggg	gcgnntgtt	300
gcctctcgtt	ggacaggaga	gaaatctgat	aagccaaactg	aggcagacga	tatccccaaa	360
gctgatgatc	aggaaaacca	tgagcacacg	cccatcactg	cacatgaagc	agatgaagat	420
gatggat						427

5

<210> 227

<211> 427

<212> DNA

<213> Arabidopsis thaliana

10

<400> 227

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actgtaaatg taatggccat cccattattc tcttttattt ttatcatgta gaaacaagat 120

acaaaaaagt taaaagactg ttacttttagg tcttgaacct ctgagagatc ttcccaactc 180

15

catctctaca ctctcagcc attttcttca ccttategct cacctgaact gtcccttgct 240

caacatctgc tgctgctcct tttgccctca caatggctgc atctctcatt tccccagctc 300

gcttccctaa attcactgca tattccttca aaactgtaat ccataaacgt attttctcca 360

tcacagtga gatacttcc cgggactttc cactcacggg tccagccatc tccttcagct 420

tatccat 427

20

<210> 228

<211> 427

<212> DNA

<213> Arabidopsis thaliana

25

<400> 228

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gctgttgctt cctctaccgc ttccgcgcgc ttcagaaaga tcgagtttca ccttgcaagg 120

aaacccttca acggtttctc taatgggcgt tccgatttta agatcgagac tttgaatcct 180

30

tgctcctcta accagcgact gttatctgca ccgtccgcta agaaaccga cagctccgat 240

ttgttggaac atgggttcca acccgatctt acttttagca ttaccttccg caaaatcggg 300

gcggttttgc agaatctcgg gaatacatgt tttcttaatt ccgtattgca atgtttgaca 360

tacactgagc ctttagctgc tactctgcaa accgctgcgc atcagaaata ttgtcatggt 420

gctggat 427

35

<210> 229

<211> 427

<212> DNA

<213> Arabidopsis thaliana

40

<220>

<221> misc_feature

<222> (1)...(427)

<223> n = A,T,C or G

45

<400> 229

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aatcatctct gtaatcgaat gctgccatat cgaatgggtg cgaatcaaac accanctgga 120

accgattggt aaccccggtt ttctgcccct gttgcataaa catttgattg ccaactgttga 180

50

aattcagctg ctgattctga gctgcttttg catcaatgac catgctttgg ttttccatca 240

aagtaggagg cgtttggttg ctttggacat ttctgtcgta catggccata agctcggtga 300

tcattctctg cccgttttcc gnnctccaa cgcccgatag gtcgatcggg tggactgggt 360

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gattgtc 427

55

<210> 230

<211> 426

<212> DNA

<213> Arabidopsis thaliana

60

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 gacagaaaaa aaaaaaacat aaacacaact ctagttcgct acttcaaata caacggccca 180
 caatttttct caattttcta aacatacccc accattttca gaaattacca aaccgcccc 240
 10 gaatcttcac cgtccgtttt cggatcttag atcaaacggc gatcatgaaa gcgagagata 300
 gacctcgcat tgtattgaag tcttcccaat tctaaaccct ggaacaaccg tgaacgcgac 360
 acgtggctca gactccggcg aactctccgc cgccgggaaa aacgcttctt ctgctacact 420
 cttcat 426

15 <210> 231
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

20 <220>
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 <223> n = A,T,C or G

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 agaagagaaa atgaataaca agacactaaa ctcacacaaa cgagaaaaaa aaaggaatca 180
 agaaaaacag agaagctgtt gttattgctc ctctcgact tccacttcgt cttcttcata 240
 30 ctcataccct tcttcctcat cagccgttgc gtcttggtac tgttgatact ctgataccaa 300
 atcattcatg ttgctctctg cctctgtgaa ctccatctcg tccattcctt cactgtgtga 360
 ccaatgcaag nnnngctttt ttctgaacat cgctgtgaac tgttcgctca cagcctaaa 420
 catctc 426

35 <210> 232
 <211> 426
 <212> DNA
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40 <400> 232
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 cgaagcgcgt ggaatagaat acgaatgccg tgagcttgta agtttccgat tacacaattc 120
 tatacactac atcttcaaca ttgaactaat aactgcatgt tttgtgtcac tgcctcagggt 180
 tggaaacaca cagccagtcc cgaagaggat caagtttagt gaagaagact aaaagctgaa 240
 45 gctgaacaac acttttccga taacctttt tgaatagaaa tctgttctgt tgtactcttg 300
 atattggatc aataactaaa ctttaaagtt tgcaatgaaa acttctgttt caatgattca 360
 gattttctgt atagcatcaa gatactttcc cgagacagcg ggtgtagat tctctctggt 420
 gaaacc 426

50 <210> 233
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 233
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 aaaaaacaat tttctgtcta tatatatatt aaggatccaa attagggaga gaccaaagag 120
 gaaattaata acaatcaatc caacaacgaa tggagattga agaagcgagt cgtgaaagtg 180
 gacatgttgt gtgcggatca tggattcgtc gcccgaaagaa agtaaaactgg gttcttatcg 240
 60 ctaaagcttc caaacgctgt ggctcatctg tttcttctcc tgctctctc aacatcttct 300

5 cttttgaccc cattactgct tctcttttct cctctccttt ggcaacacac acgcttaagg 360
atagtgatgg tgatcctgtg gctgtttcag tgcacctgg tggggattac tttgtttgct 420
caacct 426

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10 <211> 426
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<213> Arabidopsis thaliana

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taaacttggtg gaaatttttt caataaataa gaaataataa aattataata gtgtaagagc 180
tcgagcatac actgtttcaa gatctggtct tgaactttct ttgagcttct aagtcgatca 240
ctatgattga gatattgtct ttgcttccca tttgaatagc gagtttggag agatattcag 300
20 ccgcagcttg acacgcttgg tcttctccta cacctctctc agctaaaggc aatgctccat 360
tcttcttggtg ccaagccaag atccgcctcc tcgcaaaatc gcaagcttct tggttactca 420
ttacgt 426

<210> 235
25 <211> 426
<212> DNA
<213> Arabidopsis thaliana

<400> 235
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aaagtttctg cgaaagctat ctcgaaagaa cagaagtcac tgacgagaac aggtaagcag 120
caaattcagt caaaagaaga aacatcatcg accatctcta gtaaattact gaaaactgaa 180
gaaattatct catccccgag tcaaagtga cctgggactg tacttgctca taagaagcct 240
cagaaggact ggaaagctta taaccctaaag acaatgagac ctccccctct accagagggg 300
35 accaaatgtg tgaaagttat gacttggaaat gttaatggac tgagaggatt gttgaagttt 360
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gagact 426

<210> 236
40 <211> 426
<212> DNA
<213> Arabidopsis thaliana

<400> 236
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cctgttaatt catcaccaat cagagacctc cgaagtagct gcaactgcagc tgctgaatca 180
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gttttctcca tcatgttttc cttcttggga gtctgaacca actgaacact ttccgttcta 300
50 ctgcttgatt gaggtgtatc ctcagagatt atttcctcct catctactga ctgatcagtg 360
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atctca 426

<210> 237
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<220>
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 tgctttgttc agacgtactc gttgactcga aaggctgtca ctttcaaaac gaaatctctg 180
 gttctgagca gctcaaacac acagacgtct ccttctccta agttgttctc tagagtgaat 240
 tcgtaccatc cttgactgaa tttggctctc ccggccttgt agagacatcg aacaggccat 300
 15 tgtttctccn catnctggac tttgatgaac ccggagatcc cacttaggta cttctcagca 360
 aaccacagaag gaagatacat gatgcaacct ctgtatagat aggatggtcg cagaaccact 420
 ctgaag 426

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 20 <212> DNA
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<400> 238
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 agaaaagaga taacacacac aaaaaaaaaat ggcatacaacc tcactcctca aggccttctcc 120
 ggtgttggac aaatccgaat gggcgaaggg acaaagcgtt ctcttccgctc agccttcttc 180
 cgcttctgtc gtctctcgca accgtgccac ctccctcacc gtccgtgccg ctctctccta 240
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 gatggacgag tcgaacgcga cttgcgggaa acgtttggat tcgatagggc tagagaacac 360
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 cctcgg 426

<210> 239
 <211> 426
 35 <212> DNA
 <213> Arabidopsis thaliana

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 atcacctggt ggaggaagat gtggtggtta aagatctgtc tgaagtgttg tctatgatgc 180
 tgcgctgtaa ctaattgtgc ctatgttccg gtgtgctgct actgcaaccg ctgcagctcc 240
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 gttgtttaat tgatctgtct tcgggagctg tgggtgaaag taagggtttg ggtggttcat 360
 45 agtctcaacg tctgcttggg tagttgtagc agctggtggc tcagtgggac tgaattggtg 420
 gacagg 426

<210> 240
 <211> 426
 50 <212> DNA
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<400> 240
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 taccggtgaa agaagcttct tagctttcct ctttcaagct tctcgagaag cttatcggcg 180
 cccattactt ccattctcga cagcttcttc agatacccta ttgctccgta cgacaccatc 240
 attttcttac tcttctcget tcccagacac cccaacagcc ccgccacggc gtacttcttc 300
 gccgtgtttc cagggtttga atccaataac atcaccaaat tcgtcagaac gctcttcccg 360

5 tcttttcttca gttcccgtcg aatccttctt tccgctacca atccagcgat cgcttgagcc 420
gceget 426

<210> 241
<211> 426

10 <212> DNA
<213> Arabidopsis thaliana

<400> 241

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catatagtat aaagccgtaa actctcttca acgaaagcga gagagtgtga ctccattccc 120
tcaaaaccta actttggcta aaatatcttt cttggaagaa aagttattga aactgaacaa 180
acacaaacca cgtagaaaaa tcccggaata tagaaataat atcttcaagc tcttcacttg 240
gcactaccga gctgggagcg gataagctta gccgcgtcaa ccatggcttt aagtgtgtgt 300
ttaacctcag tgtacttctt tgtcttcaga ccacagtcag ggtaaaccca caagatgttc 360
20 tgctcaagaa ccgcaagcat cttgttgatc ctgtctgcaa tttcatctgt ggatggtatt 420
ctcgga 426

<210> 242
<211> 426

25 <212> DNA
<213> Arabidopsis thaliana

<400> 242

30 aaatcaaagt tttgttaatg caccaaagtg agagagttta gaccaatcac agaagttatg 60
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acaaaaaagt ttatatgttt ctttaatggt aaaatcaaag acaaaaacat aattcttcgc 180
ttctgttttg tggtcgaatc aatggaggtt ttctttttct attgtctcat ggcaatctcc 240
aaggaaaaac ttctattggt aagtaagtaa ggtaggttc ttaacctgac ctcttgaaaa 300
aggtgaaagc catggctata gttgcaatgg ctccaaccac agcagctcca atgtaaagct 360
35 cttctttgtc aagaggctgg aaccatatgg tacacttttt tacttctttc ttgattggct 420
ctggct 426

<210> 243
<211> 426

40 <212> DNA
<213> Arabidopsis thaliana

<400> 243

45 cctctagagc ggccgccctt tttttttttt tttttttagg gttcaaagtt taacatgatt 60
tattttcaca aacaaaagga atatatacaa cttaaacatt atcacattca cgataagtgc 120
ttaccataaa caaagtgggt caaggatctt gcctctgaaa ccatgtctat taacttgaag 180
aatagatcac ttcaaataat caattaacta tatctaccog gcaacacgtt ccttgccaaa 240
ccagtatcgc ccctttctga gctcttatgt ctttcatact caagatcatc agtaggcagc 300
tcataccgac aaaccgggca agtattcctt atcccccaacc aaggtatgat acactctcca 360
50 tgatagaaat gactacaagg aagcctcctt acttttctct ccactaacat ttcactcttg 420
catacc 426

<210> 244
<211> 426

55 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature

60 <222> (1)... (426)

5 <223> n = A,T,C or G

<400> 244

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	attgccaaca	acaaaaacag	aaggctacac	aatatcaacg	aaacgaagaa	gattagagat	120
10	tagtcttctt	ctcatgttac	atagaggaca	ttactttgat	tcactgaaca	agcacaagcc	180
	ttccactacc	aataccttgt	ccaaaatcac	caccaccacc	atcatcatct	tcttcttcag	240
	cattcttagg	cacagtaaca	atcaaatac	catcaacaca	agcaacagta	acaagctcag	300
	gcctagttga	ttccggtaac	ctaaaacgcc	acacgtcaag	ctctaattcg	tctannnaca	360
15	aaccaagaga	agaagaccca	ttgtctctca	caacgatctt	ggttatacca	ggatgaatct	420
	caacca						426

<210> 245

<211> 426

<212> DNA

20 <213> Arabidopsis thaliana

<400> 245

	gcggccgcgc	gagtagtgaa	tctcgggaatt	gttgaagaag	acggtacacc	ggaatcaatt	60
	gcgattttga	tttatgggaa	cggtttgcca	atctgtagcg	acggcgaaat	cttcgacggc	120
25	ggtgatgagc	tccattccgc	cttttctgag	caaaacgtac	gatatggttg	acgatccatt	180
	gacggacgac	gtggtgtctt	ggagcagcgg	aaacaacagc	ttcgtggttt	ggaacgtgcc	240
	tgagttcgcc	aaacagtttc	taccaaagta	tttcaagcac	aaacaatttct	ccagcttcgt	300
	cagacagctc	aataacttatg	gttttagaaa	agttgatcca	gaccgctggg	agtttgcaaa	360
	cgagggcttt	ttaagaggcc	aaaagcaaata	actaaagagt	attgtccggc	gaaaacctgc	420
30	acaagt						426

<210> 246

<211> 426

<212> DNA

35 <213> Arabidopsis thaliana

<400> 246

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	ggcttcctcg	acgaaggaaa	ccactcaccg	gaggattata	acttcgccgc	cggcgacgaa	120
40	tccgaagttg	acaacgatac	caccgatgtg	aattcagaag	agaacagaaa	attttggcaa	180
	gaacacgaac	aacttctcca	ggcgacactg	tataggacaa	gttcaattga	gacaaaagata	240
	agacaagcaa	ctaaggaagc	gttgaaagta	gtagatcaa	agggtttggt	atgtgtctgc	300
	cggagaccgg	ttaccgacgg	ttgtcgtagc	tgtttacgcg	gcgaagtatc	tagcctcctc	360
	cgagaagctg	gctatgattg	cgtcatttcc	aaatctaagt	ggagaagctc	tcattgagatc	420
45	cctgca						426

<210> 247

<211> 426

<212> DNA

50 <213> Arabidopsis thaliana

<400> 247

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	aacgagcaat	cgattgttgg	agcagccacg	atcgaggcta	atacagttta	tggtgcactt	120
55	agaggattgg	agacatttag	ccagtttggg	tgcctttgat	tatataacca	aatctgtgca	180
	aatatataaa	gcaccatggg	atattcaaga	taaacctaga	tttgataacc	gcggctctgct	240
	gatagataca	tcaagacatt	atttaccaat	tgatgttatt	aagcaaataa	tcgaatccat	300
	gtcctttgcc	aaacttaatg	tcctgcattg	gcacattgta	gacgagcaat	catttctctc	360
	tgaaactcct	acatatccta	atttgtggaa	aggagcttat	tcgagatggg	aacgttatac	420
60	agttga						426

5

<210> 248

<211> 426

<212> DNA

<213> Arabidopsis thaliana

10

<400> 248

ttacttcaag	agaggtgata	atcaaagggc	ttccacggcg	gagaagagaa	tggatgggtca	60
cgaagagaaa	cagagtctct	gctgtcacgg	ccatgattgt	ggagccactt	tctgttggtt	120
cttcttcagc	aattcagatt	catcaatggg	gggaacaaaa	ccctaattcg	ttactgttaa	180
tgacggaggc	tactgggtgg	tattcggttg	ctagctatta	tacgtctttg	ggtttggttg	240
ttatctctgt	tcctgggtctt	tggtctctaa	tcaaacgctc	tgtaaataca	aaggttcgaa	300
ctttactaat	tacaaaaccc	taaatttcac	ttccaattcc	caatttcttc	gattttgaaa	360
aagcttgaat	gcaatgttga	ggattttag	atagtgagaa	agacgtttgt	tgtaaatgac	420
gtcaag						426

20

<210> 249

<211> 426

<212> DNA

<213> Arabidopsis thaliana

25

<400> 249

cggccgcatt	cgaatctgat	cttcggtgat	ctctgtggaa	gaaacagata	agagaaaatc	60
gcatgaattt	ttttagaaaa	ctaggtttta	atccttcgat	tgcaagctac	ttcactaata	120
cgagtcttct	gatctcaatt	cttagttttt	ctcctcaatt	gccgatttct	ctctttcttt	180
tcgagcagaa	atcgtttagat	cctttatcgc	tgtgtaatag	tagtactaat	tttaataatc	240
ttgagagtaa	ttactccgtt	cattgttgaa	tcatggagtc	cggaggcaaa	actaatcgtc	300
agctgcgtaa	agctatttgc	gtctcaacag	acgagaagat	gaagaagaag	agatcacctt	360
cagtgatagt	gattggaggt	ggtatggctg	gaatttcagc	cgctcgact	cttcaggatg	420
cttcct						426

35

<210> 250

<211> 425

<212> DNA

<213> Arabidopsis thaliana

40

<400> 250

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ctccaagagc	ttgaccggtt	agcccaattg	agcttaccgc	cgggttttcg	gttttatccg	180
actgacgaag	agctgatggg	tgaatatctc	tgtagaaaag	ccgccgggtca	cgacttctct	240
ctccagctca	tagctgaaat	cgatctctac	aagtttgatc	catgggtttt	accaagtaag	300
gcgttattcg	gtgaaaaaga	atgggtattt	ttcagcccga	gggataggaa	gtatccaaac	360
gggtcaagac	ctaategggt	tgccgggtcg	ggttattgga	aagccaccgg	tacctcggcc	420
gcgac						425

50

<210> 251

<211> 425

<212> DNA

<213> Arabidopsis thaliana

55

<400> 251

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cactcctgga	gactggagtc	acatcataaa	gcagattggg	atgtttacct	tcacagggtt	120
aaaccagct	caagtctcct	tcatgactaa	agagtaccac	atctacatga	catctgacgg	180
gaggataagc	atggctgggtc	tgagttcgaa	gactgtacct	caccttgcag	acgctatcca	240

60

5 tgctgttggt accaaagccg tctgagaaac tgaacaccac catgacacca aagcttcata 300
ataaagattt tgttcttttc tttctattat agcatttccg gcagtgcaca gataaatgtc 360
gttactatta ttattgtttc atcccagtat caataaagta cgcaagaaag cttttgtgct 420
caaaa 425

10 <210> 252
<211> 425
<212> DNA
<213> Arabidopsis thaliana

15 <220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

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aatcaagaca acattttttgc caatgtctac tgcaggctgg aaactctggc cattggcaca 180
cttggttaca tacgggtgtaa tccctgtaga ccaaaggctt ctttgggtag attgtattga 240
25 actcatatgg gtcactatat tatcaactta ctcgaaacgaa aaagctgagg cgcaagcatc 300
agaggaaacg aactccagtt ctcactcaag caaggattag gtgatatcag catgtngatt 360
ctagattcta tagactctaa caggaggtgg atgaagaaca caagcacata tatacttttt 420
ttttg 425

30 <210> 253
<211> 425
<212> DNA
<213> Arabidopsis thaliana

35 <400> 253
ggaaaaaaga agaagaagaa gcagagctgg gtttagtttt ttcacgagaa gcaaagagat 60
caataagtca gtgagctttt ttctcgtttc tgacgatggc gggtgcgccc gcaagagctc 120
gttcagacta tgattacctc atcaagcttc ttctcatcgg cgatagcggg gtggggaaga 180
gttggtttgtt acttcgattc tcagatgata ctttctactac aagtttcatt actaccattg 240
40 gtattgactt caagataaga actggtgaac ttgatgggaa gcgtatcaaa ttgcagattt 300
gggacactgc tgggtcaagaa cgttttcagaa ctatcactac agcgtattac aggggagcga 360
tgggtatatt gcttgtctac gatgtaacgg atgagtcac ttttaacaat attaggaact 420
ggatg 425

45 <210> 254
<211> 425
<212> DNA
<213> Arabidopsis thaliana

50 <400> 254
tttttttttt tttttttttt gtaaaatcca aagtagtaac atcacagtaa atgttgaaat 60
catcaactca ggaagtacaa agccaaaaag aaaaaaaggt tacagattct taaactttta 120
ttgctcagtt aataaaagct gtgagagaga aaatgtagaa gcaaaaactga tgaaacaaca 180
attaaaagct tgaccagaaa gaaacatctg tgcttatgca ctcggaaaac agatggctgc 240
55 gtaaaatatt ccgagctcat agatcaactt cctctgagca aaagaccctt ctggaattcg 300
aacaatgccc tatattctct tggtagttgt cctaatcatc caagtagtag tatgagcctg 360
cagacttctg ttccctgtct ttggctgact ccaatttgtt gattcttggt ctgaaattgg 420
tggga 425

60 <210> 255

5 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<400> 255

10 accctcacac atggttagcg aagtttttagc gaatgcaccg gctattgtag aatgcaggaa 60
 accacagcag ggactcgaaa acgcactagc ttgcagcttc tgtctacctt cacctacaag 120
 tcgagattcc aaactttatc tacaaccagg atcttcaaca atgattattc taaatccaaa 180
 aacgagaaga gatgcatgta ggcatagatt gcactataac aaaatgtgga gtctatgtga 240
 ttaatgatgc agctggcagc tcaagtggaa acacgatgac cccacaatgt tcttcaatgg 300
 15 attcactgaa gcttttagat ggtaaaggta aaaagagatt aagagttaac tatgctgggt 360
 taaaacaaag agaaaaagct ttatttcttt acatagcatg ttgctcggt ggtgagaagg 420
 ctgat 425

<210> 256

20 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<220>

25 <221> misc_feature
 <222> (1)...(425)
 <223> n = A,T,C or G

<400> 256

30 agagctccaa caatggctgc ttgcgctact cactcctctc tcatgctagc atacgccgcc 60
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 agacccaacc acttgagcgt cccgcttctt ctcttggggg gttccaggga ccggagatgt 180
 gctgctattg acagagcttc caaccacaag tttattgtct ccgccgtggc cgctgaggct 240
 gacctcgaca cggaggagga cctggagcag accgccaccg ccgtccttga tccgccaag 300
 35 cctaagaaaag gaaaagccgc tttggttctc aagagagata gaacaaggtc taagagggtt 360
 ttgnaaatcc aaaagctaaa ggaaaccaa aaggagtatg atgtcaacac tgctatctct 420
 ttgct 425

<210> 257

40 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<400> 257

45 tcgagcggcc gcccgggcag gtacttgcac aagagattac agcagcactt cctgagaatt 60
 gttgtatcaa cattagcccg attcctacca cgagggtgta tctatacttt ctctggaaca 120
 aatctgaaaa actcgacttt gaatcatttt ccaccatttt ggtcattact tgaattttctg 180
 aggcttcacg tgaaatatca gcatctcttc ctctaagccg aaacagtga ttttctagtt 240
 ctttatcgga gccaaactttg gccagccatc ttggagactc tggcacgaag aataaaccga 300
 50 ttacttgaat gaagcatggt aaagcaccta ataaagccaa cgtcctccaa ttgatgaagt 360
 tcccacaaaa ataaatcatg gcgagtccag cgttttgaag aagctgggtt gaaaacgtaa 420
 atgta 425

<210> 258

55 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<400> 258

5 gccctttttt tttttttttt ttaaggaaat agtactctta ttaataccat agtcaccgag 60
 cttaatttga ctctatcaat accataatca ccaaaagctt gatatgcata aatatatgtg 120
 tgcgtaaaac ataaaatgtg tgcgctttat atatgtttca tagttcatgt gtgcgtggaa 180
 gagctggatc ataaggaaaa gaagcacaga gcgtgtcgct ctcattctcc aaaaatcttc 240
 caagggttga gttttaatga tgtggaagga ggagaggctg gaagccgtgg ctgagacagg 300
 10 cttcccatatc tttgtccaaa tccgagagaa gaagggatgt gccacactca tgcgtttccc 360
 atccttctaa ggcgtgcaat atgccggcca ctctagttgc actcatcgcc tttctcggtg 420
 accag 425

<210> 259

15 <211> 425

<212> DNA

<213> Arabidopsis thaliana

<400> 259

20 gcggccgcaa tgaagcgcgt gaaaaattgg tttttcttga tggaacttct ataccgaaaa 60
 caaggcttca gaaaaagaaa aatgatgaac aagttccgga aggggtgggtg caatgtgata 120
 agtgtgaagc atggcagcat ataatttgtg ctttgttcaa cagccgaaga aatcatggag 180
 aatccaccaa gtacacttgc cctagttgct atatacaaga ggtggaacaa agagaaaagaa 240
 gaccattacc actaagtgtc gttccggggg caacaagttt accagttact tctcttagca 300
 25 agcatctaga ggagcggtta ttcaaaaagt tgaaggagga aagacaagag agggctagac 360
 ttcaaggaaa aacttatgag gaggtccag gagctgaatc acttactgtc agagttgtgg 420
 catcg 425

<210> 260

30 <211> 425

<212> DNA

<213> Arabidopsis thaliana

<400> 260

35 agccattatt tgatgtaacg ttacattaaa actgaaaaca cacaaaccaa agacttattc 60
 aagaacacac taaacacgca tacacgttac gatatgttgt cgtacggaat attagacgac 120
 ggaaagaagt aacaaaacac aatagatcga cgattgagtc atgcatgaga atcgattgat 180
 ggatcagcaa tttctgggtg agaagcaacg acgacggaat ccacggcaat caccctccggg 240
 gaagccttcg ttgtggcaca cgttttcgca gtttgtatcg ctacgcatt tacccttgaa 300
 40 tctttggctc tgcgacgcac acgtgcgtgc ctgaccgtg actggacca tccctgtggc 360
 gacgaatata atcaccaaga aaagaacggc tgagatcaaa cgcatagaga acttcatgtt 420
 tggag 425

<210> 261

45 <211> 425

<212> DNA

<213> Arabidopsis thaliana

<400> 261

50 cttttttttt tttttttgac aacaaaatag gactttcacc attatgcac tatttgcata 60
 taccatgtag tcagaaactg gcttacaata gaaattaaat gccttatgtt tggtagatga 120
 gtcaagccaa gtacttctcc aacttctcta ctctctctgt gcttccatg tatagaggaa 180
 cctctgatg tatctcagtc ggttggatat ctagtactct cgaatgtcca tcagaacctt 240
 tccctccagc ttgttcaaca atgaaactca ttggtgcaca ctcatacaaa agcctaagct 300
 55 ttccattttt gctcttttgcg tcacgagggt acccgtaaata cccaccgtac aacaaagtcc 360
 tgtgaaaatc tccaacaaaa cttccaatgt accttgcgga gtaaggcttc ccagttggag 420
 caggg 425

<210> 262

60 <211> 425

5 <212> DNA
 <213> Arabidopsis thaliana

<400> 262
 10 tttttttttt tttttttccc caattgcaaa aacattaact tcatggaaac agtagttaca 60
 agcaagagac acaatacaag tttaatgttt gtgttttgag aagatgtctt ggtaaaggaa 120
 caaaatttca tccagatatg aatcatttac agttaaaacc aaaagatgga acctttccga 180
 catttgagct tccatatgct caagcaagtc tctgttctcg actcctgata gcgtcttcac 240
 tctgttttta agttagttag aatgagttcc gctaataatat cgacccatgt gtcaggaaca 300
 ccgggtaggc accaatgcat acagtcttgt ccccatattg ccaccgcgtc ctgcttccct 360
 15 aaccagatcg ctgggtgggc atctgctctg aattcgctta gatgggtcag atcaagtaac 420
 ttgat 425

<210> 263
 <211> 425
 20 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 25 <222> (1)...(425)
 <223> n = A,T,C or G

<400> 263
 30 gtcttttctct gtttatccca aagagaacaa aactgagagg aaaagagata acgaacaatg 60
 tctactactg tctatagcct atcttttccct catttgtaa cttacttta cgccagatac 120
 agcagcatgt ggattacata tatgtatann nttatagtnn ttattcatat cctgtaggct 180
 gtctttgctg cagttatgct ttgtgtccat ttcttctttg tctctttttg tctcttcgat 240
 gcaagcatct ggaacgggtt aggcctctta tagctctcct ctttaatcct tatcttcttt 300
 ttcttccctc ggtcatattc ttcattcccac tcatccgcta cataaccaat gctgcttgcg 360
 35 ccttcactct tngatccctt cttctgagaa gctgaaattt cctcatccca tttgggaacc 420
 actgt 425

<210> 264
 <211> 425
 40 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 45 <222> (1)...(425)
 <223> n = A,T,C or G

<400> 264
 50 tcttacatat tatgatacat acattgtcat agtaattatt caaacaacat cgacaatctt 60
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 acatcatcgg aggacttgct ctctctcaaag tcttcaatcg gtaaaccgac cttgtaccgg 180
 tatccccgag cacaatacca aaagtaaacc agattaacca caccaaaac cgcaatcaga 240
 taatagaagt aatccaattt tccgcggttg agattcttgt ttagccaatc cggacgatca 300
 tgcccaccgg agaatttatg aacgacagtc acaaggaaac tactaaggta gtcgaaccg 360
 55 gcgaacgata annngaagag agaattagcg atacttctca tgtgctctgg aaactgactg 420
 ttgaa 425

<210> 265
 <211> 425
 60 <212> DNA

5 ctgttaatca ggctcttctg gcaacagcaa ttggactggg aacagaatat tttaggagtt 240
 tgttgcagag caattgtggt gtaagtgtat tggacttcat accaagagct gacgggtggat 300
 ctcttcacgt atgtcttaat cgactaaatc agattcttga gttgggtgta aaatgttaga 360
 ggtagtcaaa attctgctta ctgtctttgt agtactaatg cagacaccta attcgctctt 420
 agctg 425

10 <210> 269
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

15 <220>
 <221> misc_feature
 <222> (1) ... (424)
 <223> n = A,T,C or G

20 <400> 269
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 attcagcata atttatacat atacatgtag atacatgtat tgtgtattta tatatatgmn 180
 25 nggttttata gtgtaggagg gatccagata tagccgtgag tctgaagata accagctttc 240
 tctagttagct gatcagcttc tttcggtcct cggcttcctg gtttgtatgg gattgacttt 300
 acttctcctt tgtcgatcct gtggagtagc ggcgtgaaga tctcccacgc aacctttaat 360
 tcgtctctac gaacgaaatg ttgttgatcg cctttgattg tgtcaagaat taagcgctcg 420
 tatg 424

30 <210> 270
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

35 <400> 270
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 ttctgtttac tctctgcatt tgctccgttt tgggtttaca acgacatgac caccgcgaaaa 120
 tggtttgata aaggcagttg gctgtttaccg gtatcgggtga ttccattctt gggaccttct 180
 40 ttgtatctac tcctacgacc agcagtgtca gagacgatag ctcccaaaga tactgcatca 240
 tctgacccaa atcaatagca acatcaactt tctcttttgc tcgatgacaa gactattgtc 300
 cagaagcccc aggaagattt cacaggaccg accatcatat ttctgatgca tgaatgctga 360
 tgataacatt atgaacatga taaaccacca acgtcacaaa cgtattctag aatacaaaac 420
 ctaa 424

45 <210> 271
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

50 <400> 271
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 aaggatgtac ctactgaggt atatcaatgt ttggaaaacga ccggagaagg agaaaaactgg 120
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actcttggtt tgactcatca ttataccaat tccatcaata gcggatcacc ttccgccatc 180
tccctcacca atttaatgaa atcttggttcg ttcgagatgc tccaaggatg aactgcagggt 240
15 gcttccgctg aatacaaaact caaagaagag tttagcgaag ctgggttctga cttatataacc 300
attgagccta gaaccgggtc aaaattctga ggcgaatcca tcgataggaa gaacataggc 360
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gaga 424

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gagatcaagt caaacgcgtt gtaagacatc ggttttacgg aaaaagctgc gtggacatcg 240
30 ctgatcagtg agtcgatctg atgactttcg ggagatttag gcgtttcgat cttcttgaaa 300
cccttttgaa accaggaatt ctccatgatt ttttcaatct tgattcttga attagggtta 360
gggtcaagaa tccgagacaa caacttcttg acctcgggag gaaaccaatt cggacatttg 420
aatt 424

35 <210> 274
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tataaggaag aatctgataa gtgtattttg gctgttgatt tggctttgaa tgaatctttc 180
aagaatggga agagaaaagc gaagatttgt gctgaatctg agaagaagaa gcgtctcaaa 240
45 atatggaagg ggaagagagc tggtgaagat agtgacagtg atgatagcga cgacgaggaa 300
gatgagaaat ctggtgttct aaacaatggg ggtcatgatg gtgattcatc tggtaaatct 360
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gtta 424

50 <210> 275
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cattgcaggc caggagagggt tttgttagga acagactcac acacttgtag tgctggagca 180
tttggatcaat ttgctacagg gattggaaac actgatgcag gttttgtgtt aggactgga 240
60 aaaatcctcc ttaagggtcc accaacgatg aggtttatct tggatggtga gatgcctagt 300

5 tattttgcaag caaaggatct gatttttaca attattggtg aaatatctgt tgctggtgca 360
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atga 424

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10 <211> 424
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20 ttgctttgtt cttgtctcaa tccaagaagc ttttgtgtgc tggactaaac gatgatcttg 360
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aggg 424

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25 <211> 424
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35 cgactctttt cattactctt cttactcacc ttacggatta gacgattccg ttatcaaac 360
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ctcc 424

<210> 278
40 <211> 424
<212> DNA
<213> Arabidopsis thaliana

<400> 278
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atatgatccc ctatagttat atacatacaa ataaatagat tgactggaat ttcagacatc 180
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agagtttttt ttattttatgt ttgttaggaat ctatgtgtta tacaacattc taccaaatgg 300
50 gtcttatcga atcgaagttt ttaaaataaa aaaaaaagg tgatatgatt cgttctcagc 360
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gaaa 424

<210> 279
55 <211> 424
<212> DNA
<213> Arabidopsis thaliana

<400> 279

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cccattgttg atcaccttca aagctactcc gtcaccctta ctggattgat ccagaacccg 240
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10 cagtgtgccg gtaacagaag gactgccatg agcaaagtta ggaatgttag aggtgttgga 360
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gagc 424

<210> 280
15 <211> 424
<212> DNA
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<220>
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<223> n = A,T,C or G

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aactcacaat attaacactc actgagctat caaaatcaac gccttggtcg ttctcagcc 180
acgttcactt taattgctct gccttccaaa ttctgtccat caagagcagc aatggcaacg 240
ttaacttcat tctcattcga catttgaaca aacccaaacc cacgtgaacg acctgtctct 300
30 ctatcagaaa ccactcgggc atcaactact ttcccatgct cgctaaataa tcgttccaaa 360
cgaccactat ccacatccca tggcagggtc ccaacataga tcctaaacgc agcatcatat 420
acac 424

<210> 281
35 <211> 424
<212> DNA
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<220>
40 <221> misc_feature
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<223> n = A,T,C or G

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gtcttatgca agtgagtacc aagcacgnnt cattttaggt tactgttcga cgtatatctt 180
tatgcagaca tttatgatac ctggaacgat ctttatgtca ttgcttgctg gagctctttt 240
cgggtgtggtt agaggttttg ttcttnntgt ccttaatgca actgctggag catgttcttg 300
50 cttcttctta tcgaaattgg tcggtaggcc attgggttaac tggttatggc ctgaaaagtt 360
gagggttttc caagctgaga ttgcgaaaag aagagatagg ctgctaaact acatgctggt 420
ctta 424

<210> 282
55 <211> 424
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<400> 282

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 ttcactggtc taaatgtctg tgtaagattg aagcttcagg tggtagctc actgagacgt 180
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 aagtttctga tgttgactcc gatgaagatg atgttgatgg tgaagatggg gaggacgatg 300
 10 aagatgttaa ctctgtttcg gatttattat caccttacia gtaagaaaaa actgatattg 360
 taacaactta aggaaagagc aatatcagca ttttttgta attttgtttt cttgtgtttt 420
 acgt 424

<210> 283
 15 <211> 424
 <212> DNA
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<400> 283
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 gactgtttcc tactatgggt ttgttagcga tgttttgagg ctctctgaaa aataccaaaa 180
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 25 acttgaagag gaagctgtgg atatgcaaga tctctacacg gatgtaatga ggagatcaag 360
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 cgta 424

<210> 284
 30 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

<400> 284
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 caatggagag gaaaatgact tcgttgatgt cttgcttggc ttgcaaaagg atgaaaagtt 180
 gtctgattct gacatgattg ctgttctttg ggaaatgata tttagagggg cagatacagt 240
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 40 actctacaga gagatagctt ctgctacaag taacaatatt agatccttgt ctgattccga 360
 catcccaaaa ctgccgtacc ttcaagctat tgtcaaaagaa accctaaggc tccacccccc 420
 tggg 424

<210> 285
 45 <211> 424
 <212> DNA
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 aaccagcaag aaccagtcga atctgaacat cagaaggaac accagccgtg gcggcccaga 180
 aaaccgtcgc gccaacgaga aacttcttga ggatttggaa actgttgtaa gctcctttgc 240
 aggaagagca tacttggtga tgctgatcaa atctatctag catctgacgc ttgggttaaga 300
 55 cagtgggaag gagaggttgg ttagacgggg tggagccgaa ccattcaggc tgactcttac 360
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 atgt 424

<210> 286
 60 <211> 424


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   gaaaaaaaaa aatcaaactt atgtgatttg gagtttataa aaatcatgaa atcttttctt      120
   tactaaatgt tcttcttcac tctttattca ttaagcatcc acaatttccc atcaatattg      180
   ttttatactt tatatacttc ttcaagtcaa tctcagtctc atttcgaact tcttcccaac      240
   aagtaacgac agtttagaaa cctccacact tagaaacctc ggatcatcat tgtccgaaac      300
   cgtctttata agagagattc taggactcct caatctctca cttgtcctaa cctcgtacgt      360
15  tttcacgttc tccacgttct cgaacccaac aaacgtcact ttcccgatgc tccatttcat      420
   tttc                                         424

   <210> 287
   <211> 424
20  <212> DNA
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   <400> 287
25  tttttttgag aagggaanaac acagagtaac attttttttc tgaagtaaca aataaaaaatg      60
   cccaagaca caaagcaaaa cgtcaagggg aaagataata aagagagggg ggttgcttca      120
   ctctaaagtt ttttaaccaa ctttgcttta agggaagcaa cagggaagctt agaaagaacc      180
   ttctcatcaa acaccatgta atgtttcttc agctccttca acgtcttctc tgccactgga      240
   tctaccttgt cctcatgttt ctcatacaac attggtactg tatgtaacac cacaaaaacag      300
   atgtatacaa gagtcaagaa gttgaaccag tttcccacaa ccgagattat ccacagccca      360
30  caaaccacca tgagaaattt cttcaagtcc cttcctaggg caatgctcct tagaataaca      420
   aagg                                         424

   <210> 288
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35  <212> DNA
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   <400> 288
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   acttcccgcg gataatggct tctacgctct tcaatgggag gactcaaca attccctcca      180
   cgttgctcaa tatatcatcc agcatgggtg tgatgttaat tcagctgata atatacaaca      240
   gacaccattg cattgggcag ctgttaaagg ctccattgat gttgctgacc ttttacttca      300
   acatggagct cgtattgaag ctgttgatgt caatggcttc agggagtatt aagttttgca      360
45  tcaggcttgt tgctgctgtg atcataggct tcagattctt ctgactataa cgcactagat      420
   attg                                         424

   <210> 289
   <211> 424
50  <212> DNA
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   <220>
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   <223> n = A,T,C or G

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   gaaatcaaga atgtgtgaag agtttatcgt ttannnggaa tctaccatag attataaaca      120

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5 atacgaatgg tgccttcctt ctccctgtggc ttctattgct gaaactactg taccaaacaa 180
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10 gaat 424

<210> 290

<211> 424

<212> DNA

15 <213> Arabidopsis thaliana

<400> 290

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20 tcaccaatct atatatatac ttgttgaga acccacaaga aaagaccctt tctaaaaggt 180
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tgccattctt cccatctctc agctaaacca tctccttcca gcattctcac tacttctgac 360
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25 tcca 424

<210> 291

<211> 424

<212> DNA

30 <213> Arabidopsis thaliana

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35 <223> n = A,T,C or G

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40 ttcacaagca aatgagctcg aagcgtgatg aagaaaccat tcccatgagc caatccagtc 180
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tctccagcc ttctctctct cgtttaggcg ccgctgagtc cacctcgta atcaccagat 360
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45 gcgg 424

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<212> DNA

50 <213> Arabidopsis thaliana

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55 gcgagagata ctctctttct tagaccaaag acttgacgtg gtgtaccag tgatccagag 180
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tgttgcttcc atcgatttca atggctttca gctctctgct ccatccatcg aaggatttat 360
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60 gcct 424

5
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 gcaatcttct ttctatctcc acttcctctc cctccggagc cgacgaccaa agtctcagct 180
 20 taaccctaga cgttcacgtt atttcaactc tagctaatta ccgcttccaa ttgtttctcg 240
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 <213> Arabidopsis thaliana

30
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 <223> n = A,T,C or G

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 gaaaagtctt ctcatcccct tccgagaaat caaggtggaa tgtaccatac cgaaagacga 180
 40 tggtagacta gcatcattcg ttgggttcag agttcaacac gacaatgcaa gaggtcccat 240
 gaaaggtgga atcagatatc atcctgaggt tgatccggat gaagtgaacg cattgggtca 300
 gctcatgaca tggaaaacag cagtggctaa gattccttac ggaggagcta aaggagggat 360
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 tcag 424

45
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50
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55
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 taagacacta gaaacttctt aaatctcaaa agagatcgtg taggtcatgt gactcgatcg 180
 60 gcgagtcgga gacggagaga ctccaagatg cgttcgaaca caagcacgtg gcaaggggatg 240

5 cgannnnctc cttgttgctc gtatccatac tcttgagccg actgcttcag caacgctacg 300
aaaacggggg ggttgagcag ctccgcattc accacgaacc gctccatctc gtggcctacg 360
taaacaggca cgtgccccctc gggaacccaa gatttgtgtt tctccttctt ggtgcggcca 420
cgc 423

10 <210> 296
<211> 423
<212> DNA
<213> Arabidopsis thaliana

15 <400> 296
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tggaattgcc atgggttgaa ttggatcgac ttagggtcgg tggtatcttc agagtatatcc 180
gcagctgcac gatgttccga gtactttcca ttgaattggg aaacttccag atcaccccat 240
20 ggtgtagcag tgacttcttc cgttacatcg aaccattttg gagtaaaggc ttggcctttc 300
tcttcgcggg ttctcttttc agctctctgt ctctcttcca tgctgctctt ctcatagcct 360
gatttggaca tgtcgcccat ctcaagtgcg tatctatcag gtcgtaaccg tgaatcagag 420
ggc 423

25 <210> 297
<211> 423
<212> DNA
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gggcttggat atctcaaggt ataccatttg agtataccca ttgaacactg acttatccag 180
acgacctaaa ccgattcggt ggaacaaccg gtgcttgcca tctgctacga ttggtggagt 240
35 cgctcgagca gggtcatacc gcgactgatg gggttaatgaa ggtcctgcga ccggaggtag 300
ctcccaatag acgtcaagaa ttgattcaac gtagcgactg ttttgaaaat gctgattgta 360
tgagatcggc gtgttagtgt gggtgaaatc atctctcatt tctcctttaa ctccccacca 420
tgt 423

40 <210> 298
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gggtgtgttt gtgtgcgctg tgtgtatgtg ttaaaaggaa aaggagggtt aaaaaatggg 240
50 ggtttctgtg gttgcttcgg gacagttgcc attcccgctc acaacctcca caaccaacgc 300
tcgctcttca ccacaggcac aagactttac actgagaaca tctcacgcaa ccacatcaca 360
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cgc 423

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60 <220>

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   <223> n = A,T,C or G

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    cagttgcagc aagagcgagg gataagagtg aaggtgttct ccaatgatct agacaaggca      180
    ctgacgattt tgcagaagaa gatgcaatcg agtggaatgg agaggctgat caaagggact      240
    cagactcatc acattaagaa ttccggagaag aaggttctcg ctaggaagaa tcttgaacgc      300
15  agaatcaaat ccattgactt tgctcgaaaa ctccaatcaa tcctcatcaa gaaagtcaga      360
    ggtttatgag agctgaggtg aagcaagagt gctgctatgt tgatcagtac ctcggccgcg      420
    acc                                                                                   423

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20  <211> 423
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   <400> 300
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    acatgaagca ttttgagatc cctcaacggc ggcgagggat gaggaggagg agatgggttc      180
    gaaggtatca agaacggaga tgggtgttatt gaaacacact aagatttttag ccactagatc      240
    ctctagaccg gacccggtt gagagaggag ttgctgaagc tgagtgggta agtcatggcc      300
30  ttcaacgagt tggttcataa ctttaagctt ttttgcttta ttagtatcca tttgttagtt      360
    ttgaggaagt ttttggtgag tggatatcta tttttctttc cacctgcccg ggcgccgcgt      420
    cga                                                                                   423

   <210> 301
35  <211> 423
    <212> DNA
    <213> Arabidopsis thaliana

   <400> 301
40  gttttaagct cttttctttt taagagataa ataaaaactc tctacgaggt tttttttacc      60
    caaaagattc tcaggtaaag gaagaagaaa gaagcatcat cagatcccag agttacattt      120
    cgaaaacaag agatgagaga tgcagacaaa catctttaca tgtctgtgta atgctgtttt      180
    taagacgaca cagcgatata tatattgcgg agacatgaga tatgtgaaaa cctgtaaagc      240
    taagatcaat gcattggatg ctcgggtgat ctcgacgaa caggcgtctt tgaaggactc      300
45  acccttatag gttaaagaacc aagaacaact ccactgcagt tgagagcagc tattgcgctt      360
    tccgccatta cgaactctac aaaagcaata cgagtcgagt gttgataatc tccaagcagc      420
    ctc                                                                                   423

   <210> 302
50  <211> 423
    <212> DNA
    <213> Arabidopsis thaliana

   <400> 302
55  aaagtaactt taaagactaa ttcacttata aaagtaacat agagatcttg atgccaatgt      60
    cctaaaagaa taagcgtttc aatttcactt ggaaatgttt aagacctacg accgtgaacc      120
    taagaagagt cattcctcat tgtgacaagc tactttctaa gagggtctca gactcagaga      180
    gctgctttct tcacctcgaa aaaatttgag cgttctctgt ttgctgcac cactgtctct      240
    tgtgatgcca cggccactgc aacgccttta tcactaacag agtctattgc ctctgcgaat      300
60  tccttgaagt ccttcaaaact tgtagataat atctcttcac gccttatttg cctctcttcg      360

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5 tcggttacat taagtaaatt cctcaacaaa ctggtataac ctttggcatc agggagttgg 420
tat 423

<210> 303
<211> 423
10 <212> DNA
<213> Arabidopsis thaliana

<400> 303
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atgggtatca caaatacaag gaagatgtta agttgatggc agaaatgggc ttagaatcat 180
tcagattctc tatctcctgg tcaagactta tacctaattg aagaggacgc attaacccaa 240
aaggtttatt gttttacaag aatctcatca aagagctacg aagccatgga atcgaacctc 300
acgttacact ttaccactac gatcttcctc agtctcttga agatgagtat ggaggatgga 360
20 tcaaccacaa aatcatagaa gactttacag cttttgcaga tgtatgcttc agagagtttg 420
ggg 423

<210> 304
<211> 423
25 <212> DNA
<213> Arabidopsis thaliana

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aacaattcaa gtaaaaaaaa aacaggtatt gcattctaag aaagataaca agaggaaaaa 180
accaaagaag agaaggcggg ttagcaggca gctgatgacg cggtttactc tcaatcatcc 240
tgtcaacaaa agtatgtttc tttttactga ctcacacgtg acacgattat tccagtgatg 300
acttacaatt caaactcgtc ttcaagcttc agagcctcag cagcagcctc ttcttcctca 360
35 tcgtcaacaa caaagtaagg gttatgcacc tctggcctga acttgtagcc agtaaacaga 420
tag 423

<210> 305
<211> 423
40 <212> DNA
<213> Arabidopsis thaliana

<400> 305
45 aagatgttct tgaagagggt tgtgatgagc taactaaagg aatcggagat gataagaagg 60
agatggagaa agagagagag atgatgcata tagctgatgt tttgagggaa gagagagttc 120
aaatgaagct tacggaggcg aagtttgagt tcgaggataa atacgccgcc gtggagcggc 180
tgaagaagga gctccggcgg gttttggatg gtgaagaagg aaaagggctg tcggagattc 240
gtaggatttt ggagggtgatt gatggttctg gttctgatga tgatgaggag agtgatctta 300
agtccattga gttgaacatg gagagtggta gtaaatgggg ttatgttgat agcctgaaag 360
50 atcgtcggag atttgatggc tccggcggcg atgatgatga tgatgatccg gtggagaaga 420
gat 423

<210> 306
<211> 423
55 <212> DNA
<213> Arabidopsis thaliana

<400> 306
60 cctctagagc ggccgccctt tttttttttt tttttttttc acacaaattt tctttgtaaa 60
cgaagtctga gcctgaaaag ttaataaaca aaccacaaa tggtgagaac acacacacgc 120

5 actaacatca accccaagtg tcatagatta gatataaaat tcagtgaccg gcaccggccg 180
atggatttgt tagcaactca agtgacttct tgagatgttc tacagcagtc gagacttcat 240
caaaagccaa agctcccaca gcgaatctag cagccttgag tgcctctgca accttctcag 300
gccctggctg gtagctgcta tcgtaatggg acttctgagc tgaactcggg gcaggatcta 360
gcacggggagc aatattgata cgcccgtttg atgagtaagg tggaggagga ggagcagagg 420
10 aga 423

<210> 307
<211> 423
<212> DNA
15 <213> Arabidopsis thaliana

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20 ttaccaagaa accataacca aataaccgag gtaaatacaa gttctgacct gatcggtttg 180
gtttacgaga gtgaaccgag tttacttact tacttcctgg agacataagc aaagtattgt 240
gccatgggaa ctacaaaggc aattacaagt aatcctccaa cgacaagact gaactgtcct 300
cgcttctcat cgggtttcttc tttcgtcttg aaatttgatt ctctcttgct atccttttacg 360
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25 tat 423

<210> 308
<211> 423
<212> DNA
30 <213> Arabidopsis thaliana

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35 agatctaata tttatcctat atgagaaaaa gtacctgtgt gtgtttcaca gtttcatcat 180
acatcatcat gctcagagtg ttttggtgcg gtcatatgta gataggttta atatcatttg 240
gtccaaaact tgctgagcat gttggacact tcttttgctg agttcctgtg agcttttgca 300
cacatgggtt gcagaacaaa tggtagcact tcgtaatcac cacctctttt gggcgatcgt 360
tgcaggcctt acacttcaga atttctttaa attcactgag ttcttgctcg agcttttgaa 420
40 tgg 423

<210> 309
<211> 423
<212> DNA
45 <213> Arabidopsis thaliana

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50 cgtcaccacc accaccaccg tttctgcaac aatctcttga atagaagaat tagtgttcct 180
cgaagctccg ctattagtga cgggtggtgc tcttacaata ctctagtctc cgaggcgggtg 240
aggcttttgg ttccacaagc aaactttgat tcttcaaagc ttaaagttga gttcttagga 300
gagttatttg agaacaagag taacggagga attattacgc cgcggaactta tattctttcg 360
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55 cta 423

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<211> 423
<212> DNA
60 <213> Arabidopsis thaliana

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 agacaacaac aaaatgtgta accttggtat ctgccttatg aagcaaggaa ggatcgatga 180
 10 ggccaaagag actttacgac gtgtgaaacc cgcggttggt gatggcccta gaggcgtgga 240
 ttcacatcta aaagcttacg agagagcgca acagatgctg aatgatcttg gatctgagat 300
 gatgagaaga ggaggagatg ataagggtga acaaagaagg ctctttgatg caatcttttg 360
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 gcc 423

15
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 gggttgggaa gaaggagaag gacttggtta agataagcaa ggtatcaaag gttatgtgag 180
 30 agttacgaac aaacaagata catctggtgt tggctcttgat aagcctaata catgggcatt 240
 tgatacaact cagttcgata acattctcaa gaaattgaaa gtgcaagctg ctccaccaa 300
 gactagcaag aatgatgatg atnnagataa ggaagatgaa agtgaagatg atgctnnnaa 360
 atctgagcct gccaaagttga agaccgttgc taaagtcact cgtccacaag gaaggtataa 420
 acg 423

35
 <210> 312
 <211> 423
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40
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 aatctcgtta aacgtcgaat caatggagat tccgttggtc ggagaagcac cacaagcaat 180
 45 aatagcactg aggagacaga atcatcgctg tcttcttcgt ctgtagattg cgttggaatg 240
 ggatcagacg tggaatgcgt caataacggg gaagatgagg agaatcggag ctctggaatc 300
 ttgagcggcg gtgaaggaac gtttcttgaa tggacgggtc tgatttcacc cttctttttc 360
 tggggaacgg cgatggtggc gatgaaggaa gtgttgccca ttactggtcc tttcttcgtg 420
 gcc 423

50
 <210> 313
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

55
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 attgatagta aataaactaa atattccaaa agagaaagct tagtctcatc attgctaaaa 120
 ttgagaacct cataacacaa actttacaca tctgttatag aagcaagcca gcaatgtggt 180
 60 atctttgggc tcccatcatt cctcaccatc ttctctctct tcatcgatc cgtcttcttc 240

5 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 10 <221> misc_feature
 <222> (1)...(422)
 <223> n = A,T,C or G

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 ttacacataa caaaaacgta ccnnnatgat gacaagagcc ccagcaatta cacacatgaa 180
 aattcgtata cgacataaca agaaaaaacc cttgttttga tttccacttc ttgggggttg 240
 tgaaagactc taccttgccn tcattacccc caagcaaaag ntatttacct ttgcgagtaa 300
 20 gttcggggca ttcgaagccc aaaaccgggc cgataacttt ctgggcgtaa ttagccacct 360
 ctataggggt cttgccacca ccgttgacag tcattttctc aggcaaacga tccaagaaag 420
 gg 422

<210> 318
 25 <211> 422
 <212> DNA
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<220>
 30 <221> misc_feature
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 <223> n = A,T,C or G

<400> 318
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 ttcatccttg ttcacaacct ggagatggaa tagtccaatg catctaccaa gaaatctgca 180
 tcattctttag tgaaacacat tgggtggcttt atcctgaaaa cgttcccatg aagtcctcct 240
 tttccgacga gaatgccaag ttctctaagt tgctcaaaac agacagatgt ttcagccttg 300
 40 gctgggtgtc tgtcttttcg gtcactcaca agctcaatcc caaccattaa cctctctcct 360
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 ga 422

<210> 319
 45 <211> 422
 <212> DNA
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<400> 319
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 caattgtatg ggagagacaa aagccaaaga tcaaatagata aaaagcaatt taagagaggt 180
 tcaaggaagc gagctgctcg gttgcaccac cagcagcgac actcctgaga acatccatag 240
 cctctgcaac tttggccttg agagcttctg gtgactccaa cagatggagc acttcagtct 300
 55 ggtccatctc caaaagcatc ccagtcactt tggctgcaga ctctgcctca acctgctcca 360
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 ga 422

<210> 320
 60 <211> 422

5 <212> DNA
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<400> 320

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	atcctggtaa agaattgtgtt atatgtttgt ctgaaccacg agacaccact gttcttccat	120
	gtcgacatat gtgtatgtgt agcggatgtg ctaagggtatt gaggtttcag acaaatcgat	180
	gccccatttg caggcaacct gttgaaaggc ttttgagat aaaagttcac ggtaacaacg	240
	gaagcgggaa taacaccgga caggagaaaa cagttgaaca agagtagcta aacacggccg	300
	agtatggatt gaaatgccat cgaaatatta gtagtatatg catgtttgat ccttgtatgt	360
15	taacaacaaa atgtgtgatt gtcaattcat aatatagaga ttacgaaaaa aaaaaaaaaa	420
	ag	422

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 <211> 422
 20 <212> DNA
 <213> Arabidopsis thaliana

<400> 321

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	ggctctccgcc agttcgatcg tatttatata ctttttggtta cctgagacaa aaggccgatc	120
	acttgaagaa atacaagcac tgctcaacaa ctctgtgcaa taatatcatt tttctttttc	180
	tttttgggta aatgatcata tatataagtc gattgtttgt atttggtgtg agtttgaatg	240
	tgatccgtgt gcgtatcaaa ttttgatgg gaaatttgaa acagtaaaaa tttgtatatt	300
	cctcgtttgg gaaaaatgta tgttttggtt agttatatgc aaaaaatgtt ttgaagaagt	360
30	ttatacataa aaagttaaat acaaaaagat ggtaagaaaa caaaaaaaaaa aaaaaaaaaa	420
	aa	422

<210> 322
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 35 <212> DNA
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<400> 322

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	cccaaaatct ttgaaatttg caaagataaa gaaggaaagct ttcatacaatt cattctcctg	180
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	ctcttcttct taaggccacc gagtgggtgc ttcaattgga atggccacag gaagttgttg	300
	gcttccttga agtgaggtcc aacagtcatg atctcgtgga tgagatcctc aacgcagatg	360
45	atcccatgct ttccgagagc ctgatccaca atggagttgt cagtaagtgc tcggacgcgt	420
	gg	422

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 50 <212> DNA
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<400> 323

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	atcttgaacg acgtttccgt caattcctgc tggaaaacca aacatattga aagaatggcg	180
	gctgctgttt cctctggatg atcctccttt gcttagagac cggcctagag acgattttct	240
	cagactagat tgtttgaatg attcaattga tgacatcttt tgctcctccg ctgcattctc	300
	atcagatttc ttctcttctt gtagacgaat cagctgagaa taagctcctt ccgggtcctt	360

5 cgcgttcttc tattttgtta taaacagaat ttgtccaatc tccctcacat ttcatcataa 420
ta 422

<210> 327
<211> 422
10 <212> DNA
<213> Arabidopsis thaliana

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gaatcctctc taacaagcat tcaatagcaa caagtgggta ctacaaaatt acccttacac 180
aataagagttt acaactacat tcaatagaga aacttggttg aaagggttaa cactttttac 240
cgcggttat actatgatcg ttgttttcga cttttcgag tattctccg tgtattagcc 300
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tc 422

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ct 422

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aa 422

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5 cggcggtctcc ggcgcctctta tccctaaatc cgggtaccaga tccgcccgcta aagctgcttc 180
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15 <213> Arabidopsis thaliana
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20 aattgctcct ccaccgaaag catccgacgc gcttctctct ccgttatatc tcacaaacgc 180
 cgttttcttc acgctcttct tctccgtcgc gtattacctc ctccaccggg ggcgtgacaa 240
 gatccggttac aatacgctc ttcacgtcgt cactatcaca gaactcggcg ccattattgc 300
 tctcatcgct tcgtttatct atctcctagg gtttttttgt attgactttg ttcagtcatt 360
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25 cc 422
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30 <213> Arabidopsis thaliana
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35 ggattcgtat gccaatcatt tgcgcagctc gagtttttca attgaccaga gagttaggtc 180
 acaagtccga tgggtcaaacc atagagtggc ttctccgtca agctgagcct tctatcatag 240
 ccgccactgg aactggcact actccggcga gtttctccac tgcttctctc tccacttctt 300
 ctccggtttac tctcgggaaa cgtgtcgtca gagcggagga aggagaatcc ggcggcggag 360
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40 ct 422
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45 <213> Arabidopsis thaliana
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 gagacagaaa gaccttgaag attctgcatt cccaaggtag aatgtgtatg cggagaatgt 120
50 aaagtctact gatctaagac cgaggaaggt tctagagaag ccgagaagcg aaacagtgtt 180
 tctcggagtc gtcacgtac catcctatta catagcagaa ctggtggtag aatcagacgt 240
 gaaaggagtc cgcttttgtt tcaagcctgt gctaaagatg gttcatgggg caagctggat 300
 ttttttttat tttacaccat cataatcgtc tcatttgatt tatttttggt tggttcgtaa 360
 tctctttcat aattgattta tgggtacttt tctactgatt cagctacgat tcacttatca 420
55 tg 422
 <210> 334
 <211> 422
 <212> DNA
60 <213> Arabidopsis thaliana

5
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 <222> (1)...(422)
 <223> n = A,T,C or G

10
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 ccggatcact acttcaacag aagagcttct tcttcctctt cttcttttga ctataacgac 120
 gnttttgtct ctcctcctcc ttccatggat catcctcaga accatctaag gattttatcc 180
 15 gaagctcttg gacccatcat gcgtcgtggc tcgtcctttg ggttcgatgg tgagatcatg 240
 ggaaaattga gtgcacaaga agtcatggat gctaaggctt tagctgcttc aaagagtcac 300
 agtgaagctg agagaagaag acgagagaga atcaacactc atcttgctaa gctgcgtagt 360
 atattaccaa acacaaccaa aacggacaaa gcttctttgc tagcgggaagt gatccaacac 420
 at 422

20
 <210> 335
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

25
 <220>
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 <222> (1)...(421)
 <223> n = A,T,C or G

30
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 tctgcaacgg accagagata agcctctatt tccgttgctt tcctctcatt ggtcttctta 180
 35 atcagatcct tctcagttcc gttactacgg tcgaccccat cccagtgtct acccggttta 240
 atcccataacc ggtttgatgc agcttccaac cgtctcgtca accaactatg tttaggcaca 300
 ctttggtgta taatgaaccc agattttttc atctcctcat cgtctcctag atccacaaga 360
 gttgtctcgt actttctttt cttgaccaaa tgagccattg gatctccaaa tctaactctt 420
 t 421

40
 <210> 336
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

45
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 acatgaaaaa tatattttaa atataagacg tttcagacat tcgaattcag gacaaattgt 120
 ttaataagtt ggacagaaga aacatcacct tgatttaaaa aaaaataactt tgaagaaaag 180
 50 atgaacatta ccatcatcat catcagtaag tttatagaca gagagatctc tgtgtttcat 240
 tgactttctc ttctgctggt ttctgctgcc ctaacttggg cgaagtaagc gtgcgccatg 300
 gcttcttttg cagttaatct gtcttgatga tcataccgaa gtagcttgtc gaggaaatca 360
 atcgccctcg gtgaaactaa gtgctgattg tctgcgttga tgaatttgga ccaaggtttc 420
 c 421

55
 <210> 337
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

60

5 <400> 337
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 tcttctacct agacagacca taccagtgat gcaacaagaa aacagaccaa acaatacata 120
 aatagtttat tctggaatta gtgagcctta tgagaatctg ggttttgctg agttgttggc 180
 tactcgcacg gcggcttggt gcattttaca agtttacaaa gtaagtgata aaaagggacg 240
 10 aaccttgaca atgttataag ctgtcatttg gtttcttgct atttgagcaa gactccaggt 300
 atgagatcac aaggtcagct gctttgcaac ctgatgctat tgatttccca acagagagcc 360
 cccctcgatg attacctgca tagaagaacc caggtagatc attctccatc ttgtcaattg 420
 c 421

15 <210> 338
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

20 <220>
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 <223> n = A,T,C or G

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 agaaactcaa catcggtggc gcaaaggcac aagggtcatgc ggagaagacg atggcaagga 180
 ccaaaaaaga gaagaagttg gcccaagagc gagagaagtc taaggaggcg caggccaaag 240
 30 ctgacctcca tcaatccaag gctgagcatg ctgaggacgc tcagggttcac ggccaccatc 300
 ttcccggtca ctccacntan nctacccgag ccaccggagc taattacccg ccgggacaga 360
 tctaaaacta gctctatagc tatattaaga ttagccgcct tgtttaacaa tatgatatgt 420
 a 421

35 <210> 339
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

40 <400> 339
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 ttctcatcgc tagtcatctt cctcttctct tcatccgtta acgcttgatg tcatgctctt 120
 caccgttcta aagcagctta tttctctctt gcctctgctc tctcttctgg agcttggtgt 180
 tatggctcta tggctacgag tttcttcgct ggacatatcg ctgcagctat cccttctatc 240
 45 taaaaagacg gtgctggctg tggagcttgc tttcaagtca gatgcaagaa ccctaagctg 300
 tgtagcacta aaggaaccat tgtgatgatc acagacttaa acaagagtaa ccaaaccgat 360
 cttgtcctta gtagcagagc ttttagagct atggctaaac ctattgttgg tgctgacaaa 420
 g 421

50 <210> 340
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 340
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 aatctctttt ttagtttcag accctaaatc ctaggttttg aagttttgtt tctttagtaa 120
 ttttgtcagg ttttgtgtct ggtgttggga ttttctggag cttggtttct tgaaccagct 180
 ccattttcta aaaattcctt ctttaaattc ccattgttgt aagtcttaaa gaaaaagaa 240
 60 gatgacttgt tgtttctctt gtttgaatcc tcgaaccaag gacataagag tcgacattga 300

5 aacagctgct ctgtttgaag cttccttcaa gccagtagaa aaactcgaaa acttgtctcc 60
agctacatct cccgtttggt ctagecgtaga aaacgctctg ttaactgcac tatctacaac 120
ttcagaagca ttctttgtaa tggatgtcac agacgaggag aaggactcca aagtgttctt 180
tacagcattt tctccttggt taagtgaaga gctgaaggac tccttgaccc cagaagaaaa 240
gtcatcaacg ctagctttcg catcaggaag tgaagagctg aaggactgct tgagcccaga 300
10 agaaaagtca tcaaagctag ctttcgcatc aggaagtga actgaactat ccggagatat 360
tttaacagtc gcattggttc ccgattcaac agagtctata cctgcccggg cggccgctcg 420
a 421

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15 <211> 421
<212> DNA
<213> Arabidopsis thaliana

<400> 345
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gtaatgaaat atctaaaatg tttgcccacac agagtaagat aatgatcgtt gtttgcagat 180
cacatggcca ttggttcagg accagcagcg ttcagaatgt ctaagagtga gttttggggc 240
tccaattctt cgtgccaaag ctgcaactta tctccagggt aaaagtcttct cgtcactccc 300
25 tctgagttga ttatgacagt ccgtacgaca ccaccactgg ctccatcacg ggcgatggct 360
agtgaaccg ccttcacaac aagttgctct gcttcttctt tggtcatgtt atctttccaa 420
g 421

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30 <211> 421
<212> DNA
<213> Arabidopsis thaliana

<400> 346
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tcccaccact ttggtcttct ctccagctaa ccattccata ctactgttc ctacctcctt 180
ctcgggagca cattcttcgg cattacaatc agcatcatcg gaagaagctc taacgacgga 240
gaagaaaagt ttccgtccgc cggactttga attgaggaat ctgccaagag gtttaggcga 300
40 tgcaaatacg tagccgtttg gggatagcaa gacattcgac atggttgatc aaataagagg 360
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a 421

<210> 347
45 <211> 421
<212> DNA
<213> Arabidopsis thaliana

<400> 347
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ttgacgcctc cagctccacc aggagcagct cggacatatt cttcctcaac atagagggtta 180
agagcagcca tcccttcctt gaagtagtta ccaactggag atgcatagac aatgaatgta 240
tattcaggtg caggaccta accaagaatt ggaccacttc ccatcaacaa aggcctaattg 300
55 tacaaaagtc ctttcccaaa cgcttggttg caagagcggt ttgtttaatt gcatatacaa 360
actgatcaac cgaaggagaa ggcattgagc tccgttcagc gccaaagcttc atccggacag 420
c 421

<210> 348
60 <211> 421

5 <212> DNA
<213> Arabidopsis thaliana

<400> 348
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attaaaaaag aattcgatga caaaagaact ctctctcttt gttcgttaca gcaaaacaag 120
aagatttctca ttctctgttt ttgattatac aaaaaaaaaa aaaaacatgt ttgaaaatcc 180
atgtcaagct cgagatctct ccccttttcc acgttttgag tatcggaggt tatcttcaact 240
cacatcacta accaccaccg gtggtgatcg cgcgtacctt gacggcttcc tcttgaaatg 300
cctatcttca tctactagatt cataatctgc tacttctatt tccttccgac tactgtgtcg 360
15 gtgaactgat gttcccacgg cggctgcggc agaggcggaa gcagatggat cggacgcgtg 420
g 421

<210> 349
<211> 421
20 <212> DNA
<213> Arabidopsis thaliana

<400> 349
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catctctatc tggtttgagg gtttcgtttg atatctggag aaaggggttt ctggaaacaa 180
ggagttcata attcgcgac ttgatctatc gatcttcatt tatatataaa agcgtgaatg 240
agattatgat ggagtcgaaa ggtggtaaaa agaagtccag cagtagtagt tccttatttt 300
acgaagctcc cctcggttac agcattgaag acgttcgtcc aaacgggtgga atcaagaaat 360
30 tcaaattctt tgtctactca aactgctcca agaggccatc ctgagtacct cggccgagac 420
c 421

<210> 350
<211> 421
35 <212> DNA
<213> Arabidopsis thaliana

<400> 350
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tgtacactga cttctacaat ctttggttga ttggtttattc aagaacccta actcctacac 120
aggtaaactg taaggagaga tgagcttattc ggttttggtg tgagcagagg cagtctactc 180
ggcgaaagag tggttcattca attgctcggg tggaaagcggc tcaaccttct cggccttccc 240
gtctttcttt gggattatca gaccgtaacc tccttctttt ctcttgata ctatgtttat 300
ctcaccagtt tcttcatttt ggaagccata gaagtcgtga ctgactagtt ccagctgctc 360
45 gactgcctca gcgacagtca atggtggcat ctcgaaagtc ttggtacgga caatctcctt 420
g 421

<210> 351
<211> 421
50 <212> DNA
<213> Arabidopsis thaliana

<220>
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55 <222> (1) ... (421)
<223> n = A,T,C or G

<400> 351
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tatcacaagt ttaatttctt ctctccataa agatgaaatt tnnnttttct ctgcaagact 120

5 gcaaaactcaa acttctcagc ttatttagta tttgctcctc ttaatagtgc tatctctttt 180
gaccgttcgg tcgtcacccg gaagcctcat atacatggta ctgaggatct ttccaccagt 240
cgcttctcca tgtttgcacc gttataccca aatgttcaga agacttttaa gtttgggtgaa 300
agcaaagtat gttctttgtt ggaaatggaa agttgagaga tcttcaatgg cagagtgcct 360
ccccgtatgc taccattgtt ttgaagctat ctgggaaatc atcgcgaaac tttgtgtgta 420
10 c 421

<210> 352
<211> 421
<212> DNA
15 <213> Arabidopsis thaliana

<220>
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<222> (1)...(421)
20 <223> n = A,T,C or G

<400> 352
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ccttcaccag atggagaaat tcaaccccc aacattcctt ttccgtctct ccaagctata 120
25 cggcccgatt ttcacgatga aaatcgggtg ccgtcgcctc gcgggtgatct cctcggccga 180
gtagccaag gagctactca aaactcaaga cctcaacttc accgctcgtc ctctcttgaa 240
agggcaacaa accatgtcgt atcaaggccg tgagcttggg ttcggacagt acaccgcgta 300
ctaccgtgag atgaggaaga tgtgtatggg gaacctcttc agcccgaacc gtgtcgcang 360
tttcagaccg gttagagaag aagagtgtca acggatgatg gacaagatct ataaagccgc 420
30 t 421

<210> 353
<211> 421
<212> DNA
35 <213> Arabidopsis thaliana

<400> 353
caagaaacta accgaatccg ctctgaaaaa atcaccgggtg aatctgaaga agaccctttt 60
caccgtagtc gcgagtatcg tgtgtaggct cgcgttcggg gtgaatatcc acaagtgcga 120
40 gttcgtagac gaggacaacg ttgctgatct agttaacaag tttgagatgc tagtcgctgg 180
tggtgccttc actgatttct tccctggagt gggttggctt gtagaccgaa tctcaggtca 240
gaacaagaca ctaaacaatg ttttctcaga acttgacact ttcttccaaa acgtgctcga 300
tgatcatatt aagcctggaa gacaagatc tgagaacctt gacgtcgtag atgtgatgct 360
tgatctaattg aagaagcaag agaaagatgg agaattcttc aaactcacia cagatcatct 420
45 c 421

<210> 354
<211> 421
<212> DNA
50 <213> Arabidopsis thaliana

<400> 354
aagctgaaga agaagttgaa gaactgaacg gatacgaagg tgacgatgga gaagaagatg 60
acgatggaga agacgatgac accgagtcga aatctcaaac gcgcgaaaagc ggatccagtg 120
55 tagacagaat caaggcggaa tcgctattcc gtcggatgag agctgctcct gtgcgggtgc 180
gtgttcacga cgtgattatc agtggaaaac agaagactaa ggaccatatt attgaagcgg 240
aagtggatgc tgtgagagag gcgaccacgt tgcaagagct tctcgaagca tctaggggtg 300
ccaattcgaa tctccgtgag ttagatatct ttgattccgt caacattacg cttgattctg 360
gtcctcctga gcttctctgg actaccaatg tggtaatcga agtcgtcgag agcaaaaacc 420
60 c 421

5
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 <211> 421
 <212> DNA
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10
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 <222> (1)...(421)
 <223> n = A,T,C or G

15
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 gggttggtctt cgttggtctct tctctttacc tctgcttttt gggttcagagt atttgaattt 180
 20 tggggaatat taaaaattgc ctgatactga aatcaatctc ttgctgtcta gtgatggcta 240
 ctgaagagaa gcctcttaat tctcttgatt taagccatga tgattcttcn nctgcttcaa 300
 atcaggctga aggatcatct gctataactg aagacacttc tgcgaatggt caacaatgga 360
 ggcgaagaa tctctcttta cagataccct ctagagcagc tgggtctctct cctgaagatt 420
 c 421

25
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 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

30
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 aactcttctt aaaccctttt tggtcacatt tccttctctt tctcttcttc cgtctctctc 120
 tgaaaaaccc taattgactc gttgcgattg aaatggatcc ttgtccattc atccgtctta 180
 35 caatcgggaa cctagctttg aaagtccgt tagcggcgaa gacaacgagc tccgtcgtgc 240
 atccgtcgtc ttctccttgt ttttgtaaaa tcaaaactcaa aaacttcccg ccgcaaaccg 300
 ccgcaatccc gtacattcct ttggagacga ctacgttttc ggagatccaa accctagccg 360
 ccacgtttca tctcagcagc tccgatattc aacgcttagc ttccagatct atatttactt 420
 c 421

40
 <210> 357
 <211> 421
 <212> DNA
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45
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 <222> (1)...(421)
 <223> n = A,T,C or G

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 ggccaagccc ttatcttgaa gggattctca attatagttc ctcagggaga attcaatcga 120
 gtaaaactctt cgcagaagtt ccctggtttt caatttatca ccataccaga ttctgaactc 180
 55 gaggcaaagt gaccagtcgg gtctctaaca cagctcaaca aaattatgga ggcaagcttc 240
 aaggactgta taaggcagtt gttgaaacaa caaggcaatg atattgcatg tatcatctac 300
 gacgagttca tgtatttttg tggagccgta gctgnagnag tgaagcttcc caatttcatc 360
 ttnnntactc aaactgctac acataaagtt tgctgcaatg ttttaagcaa acttaatgcc 420
 a 421

60

5 <210> 358
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 358
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 tggaatcgat tttgtttcat ttcaaggaca aaaacatata caaatactga tacaggagaa 120
 aagtatctct ctacaagtca gtgaacaaaa agaataataat aggacacaat catcgcctcc 180
 tgatttctca aaaagctgaa ttggccacgt ctaaggagga gacatcatct cttctcagaa 240
 15 gctgatactt agttaatcag agagaagtaa atctccctct ccttcattcc ataaggcggc 300
 attttgctct ggaaaagcat ctcgagatcg cttttctagg gtccagcttg aaatggaaag 360
 ccaccattca tctgtcgcct cacatgctct ggtattagcc tgttgataag ctccggtgaa 420

20 <210> 359
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

25 <400> 359
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 attgacagag tcacagattc ttttttttcc tctctctctg ctctttgttg atctgtctgt 120
 gtgggattct tccttttagtt cctctgttga tctatccaat cgaatcttac gaaaattttc 180
 gagtgaagat gaggtcgtct caagcaccgg ttgtttgccc tagtggtcgt cccagacaat 240
 30 tgggtgtctc tgctttactt gtcaactgct ctgtttcgaa aactaggagt ctcagaaaac 300
 aattctgggg taaccagacc aaaaatgaca agtctcaggc tgctacagtg aatcttcgtc 360
 tgcattctcg gaggtataag agtatcaaat gtcttttcag ctgcgactct gatggtacct 420

35 <210> 360
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

40 <220>
 <221> misc_feature
 <222> (1)...(420)
 <223> n = A,T,C or G

45 <400> 360
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 gcggtgaaga ttgaaaggat cggtggaagg aaacgcggtg gatctgttgt gtcgagggag 120
 aagctagatg tgtggttgag agattcgggt gttgagatcg tgaagaatct tagagagtcn 180
 ncgttattga tgcatttata cgcggaggct aatggtggtt tgacgacgac ggcaacgaat 240
 50 ccaaaggcgg aggattggac agagatggaa ggaaagtggg gtagaggaga agagaggacg 300
 ccggaaggag ttatattggt ggagaagctc gcagacggtg acatagcaga tgatgatgat 360
 cacgatggtg gcgcgtgtgg ggaagataca agcgcgtggg ggattgtggc gcaaggaaga 420

55 <210> 361
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

60 <400> 361

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	atgtgttctg	gatagacatc	cagacaaata	cgaggcgctt	ccaaagtctc	tttcggtatc	120
	tcctggagga	agttgctttg	gagcagatac	gattgaaaaa	aattcccatt	caggctcaga	180
	gggaactgta	tctcttactc	tctaggttca	ttttctttta	caattcagtg	gataaactcg	240
	atagcttctt	gaggaacttc	ccagagtttc	caaattgctt	cttgattgga	ggacctggag	300
10	atttccttgt	tatcgaacta	actgatcagc	tgcaaaaact	gaagggtgga	ccagtgtctg	360
	tacattatct	ttctcagatg	aagattcttc	aagggtatgga	actgagaatg	actactagca	420

<210> 362
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<220>
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 <222> (1)...(420)
 <223> n = A,T,C or G

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	gctatgtcca	ccgtgacgat	aacaaaaccg	tcactgccat	cagtccaaga	cagcgatcga	120
	gcttacgtga	cgtttcttgc	tggaaacggn	nattacgtga	aaggagtcgt	tggtttagcc	180
	aaaggggttaa	ggaaagtcaa	atcgggttat	ccactcgtag	tagcgatgtt	acccgacgtc	240
	ccggaggaac	accgtcgtat	acttgtggat	caaggatgca	tcgtccgtga	aatcgaaccc	300
30	gtttaccac	ccgagaacca	aactcagttc	gccatggctt	attacgtcat	caactactct	360
	aaactccgta	tctggaagtt	tgtggagtat	agtaaaatga	tatatattaga	tggagacatt	420

<210> 363
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

40	cttttttttt	tttttttttt	tttatgtcat	tgtctttttc	atttggtgat	aaacgtccat	60
	ggaaataaca	ttcggtttcg	cgtaacaac	aaactctgaa	tgtgatgttt	actttgcagc	120
	aacaaacttg	aaaatatgaa	caaaggtccc	aaagaaatga	acaaaatgag	cagctttcat	180
	tccatcaaat	acttcatccc	ataagtgcct	tcactttttc	attggcaacc	acgagttccg	240
	ctgatattcc	tggctcattt	gccgagtgcc	cagcatcata	aacaatcttg	agttctgcct	300
45	ctggccatgc	tttgtgcaga	tccaagcag	acatcatagg	acagcatacg	tcataccttc	360
	cctgaacaat	ggtggtcttg	atatgtcgta	ttttatcaac	attgtctagc	aagtgtgagt	420

<210> 364
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

55	tttttttttt	tccgaaacaa	aatcagattt	gagtaataaa	catatgatac	acactcatgc	60
	aaacaaagcc	aaaagaaatt	gaaaactcaa	tgagaaacga	aagcattata	ttgcacataa	120
	ttataaagat	ggatttgtat	taataagcat	gggttaaccct	ccgacagatg	cgcctgatct	180
	ctcccttggc	gcctgtcaac	ggagagatat	ttcccatctt	taccatcgat	atagcaaact	240
	gctcaaagaa	ggcctcttga	ttctcagcgt	atagctccac	cagctccttg	gactgtttgt	300
60	tcttcgtgaa	cagaatctca	tcagagctca	atagaccttt	gtacattatc	aggttcttga	360

5 agtagtggtt gtcaaacttg aacggtgtcg cgaagtcgag gaagaatagg gtctggtcac 420

<210> 365
<211> 420
10 <212> DNA
<213> Arabidopsis thaliana

<400> 365
15 tttttttgct taaaggaaat atatatgcag acacaacaac caaaaacaca agctggaccg 60
accattgacg gtctgtctact gactacaaca agttttttccg caaaaaagaa gaaaaatatt 120
gttaaccagt ttggtgtatc tgattatcaa atcaagaaaa aggtaaattc actgggaaga 180
cacaaaatat caaaagctga aaactcaaaa acctcttctg aaaatttgcc actaagtggg 240
ttctagattg tggagacctt ggggacttca actgggaact catgaatttc atccatccat 300
gggtttcttct ctttcttagg gtttaccgac cttaccgctc tccaaaccga gctgttgac 360
20 ttgaaccccg aaccaaagc tatctgcaa attctatcac ctttcttgat ctttctttg 420

<210> 366
<211> 420
25 <212> DNA
<213> Arabidopsis thaliana

<400> 366
30 tttttttttt ttttttgaca atacaaccgc taatgactca ttaaaagaaa tctctaacta 60
aattctacaa aattcatttt gaaaaaaatt gctacaatac atggaatgaa gatttcctgc 120
tctaactgac gcttcattca ctcttcttct cgcacataag aggtagaagg caacctgaat 180
ttaatttcaa agtatctctt cttctctctc aagttacata atgttacact cactcttctt 240
cttcttcttc ttcttcttcg gaagattctt ttgatttctc gatttctgtc acctcgtttt 300
ctgaggttgc tgtgtcgtct atcttctcat catcatctcg tagtgtctgg cttgacgctt 360
35 gaggatctga tgtccgagta tggcttggtg gttctggagc actcgagtcc gacacttgag 420

<210> 367
<211> 420
40 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
45 <222> (1) ... (420)
<223> n = A,T,C or G

<400> 367
50 tttttttttt tttttttttt tgaaaccaa agaggtcaat tatcaaaatg attgtttata 60
tatggtcagc aaancngtac cgacacatca tgggaacatt aggaaaacta aacctcaagc 120
tcatgaggtt attaaangtt cattttataa caaaacttct ttattcgaaa caaagctctc 180
actgattaaa ccagctgaga aaagaccggt ttaagagagg catgagtaag caaggtcctt 240
ctcttccttc aactcctctg ctgtcaaate catcttcttc ctcgatgcgt catcaatcgg 300
taaaccttga acaatgggtc actctccatt acggcaggtt acggggaagg agtagataag 360
55 tccagctgga acattgtagg atccatctga gtatactccc attgaaacaa atgtgccctc 420

<210> 368
<211> 420
60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 368

	tctagagcgg	ccgccctttt	tttttttttt	ttgcacgcaa	agatcaaacc	ccttatgaca	60
	tctgagctta	tgaggcaaac	gtacacgagt	attgtctagg	gttttcagaa	aaaaagagga	120
10	aaactcatat	tccgagtcca	cagcttctgg	gctacatgca	gactcgtctt	tgtttgacaa	180
	aacacatccg	tttgacgcta	ctagacaaca	tgtacattcg	aagttgtgaa	tcttccgatt	240
	aagcttagga	atcacgataa	attgattcta	ccgattaagc	ttaggaatca	cgataaattg	300
	attgagccat	ccacttcaga	tgcagctgaa	gcttgcccgt	tttggttcg	tctaattggg	360
	accagtcttt	gtactcctct	tccattataa	cccttggtcaa	cgtagaggata	catctcccaa	420

15

<210> 369

<211> 420

<212> DNA

20 <213> Arabidopsis thaliana

<400> 369

	gcggccgcaa	aagttatcct	ttattgaact	tagaaattag	aaaacagagt	agaaagagtt	60
	ctctatacaa	gccatttaac	ttaccagact	ctaaacaatg	agtttacact	ttattcgtca	120
25	agccagtcta	ggctgaagca	tttctcagca	gcttcgatct	ttaaccctgg	aacagccttc	180
	tcaacttctt	cccacataaa	tgcaacgtcg	gtatcgcaga	ttacatggcg	cagagacttc	240
	agtgaacag	cagagctcgg	tctatccgag	aagcaacatt	ctctcatgtc	gatcttctca	300
	agcttcttta	gctttcctat	ttcctctgga	agacaactca	ggctgacaca	ttgtgagatg	360
	tcgagatact	taagcccagg	aagctcacat	atttctccag	gtaatgtctt	tagctcaggg	420

30

<210> 370

<211> 420

<212> DNA

35 <213> Arabidopsis thaliana

<400> 370

	gcggccgcca	tcaaaggcct	atgttcattt	gtatccactg	gactcaattt	ttccccaatg	60
	aagctacaag	gtatgcacat	aatcatatct	tacatttcca	aatacagaag	aaacgttcag	120
40	gggcagtctt	caaaggaacc	gtgtcggcat	taactcgttg	attctaaggg	gcatactata	180
	gaactcatcg	ttcctgccgt	ctccgttctt	gtgctggaag	ggcttccacc	acgggattcc	240
	tcttgcgctg	tcacttgcat	gtcttgcttc	caacgtgtta	tctagtatgg	tcgcaagaat	300
	ggtcgccacc	aacggagccg	aagcaaatat	cgtattaagt	atatcgttga	accatcctcc	360
	tgctgtccta	actggtccat	atcctgctct	tgaagtgttg	gcaagaaagt	actgagcgat	420

45

<210> 371

<211> 420

<212> DNA

50 <213> Arabidopsis thaliana

<400> 371

	gcggccgcct	tcaaggccga	cattatctgg	gattcagatg	aaagtggaga	agggtatgcg	60
	tgtggctgtc	tgtggcacag	ttggctctgg	aaaatcaagt	tttatctctt	gcatacctagg	120
55	ggaaatccca	aaaatctctg	gcgaagttag	aatatgtggg	actactgggt	atgtgtctca	180
	atcggcttgg	attcagctctg	gtaacattga	agaaaacatt	ctatttggca	gtccaatgga	240
	gaaaacaaag	tacaagaatg	tgatacaagc	atgttcccta	aagaaagata	tagagctttt	300
	ctcacatggg	gaccaaacta	ttatcgggga	gagaggtata	aatctcagcg	gaggtcagaa	360
	acagcgtgta	caacttgcaa	gggcattata	tcaagatgct	gacatttatt	tactagacga	420

60

5
 <210> 372
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

10
 <400> 372
 cctttttttt tttttttttg acaaagaaag aaggactcaa gaattgtcaa caccaaagtt 60
 tacaatggaa ggatcaacaa tcttcagaga aagccaatca gcaccagttt tacaacgagt 120
 acctttacgt ttctgcatat tgtaaggat gggacaggag gaaacttgct ccactggaac 180
 15 tgacccttgc cgttttgatt tgctttgtct tgatagcttc aaagctatgt tccgtcgatt 240
 cctctgtgta tgaccacac aaaacctga agcagcgggt cgagaagtgg cttaaaaccc 300
 acagcaaatt atatggagga agggatgagt ggatgctacg gtttgggata tatcagtcta 360
 acgtccagtt gattgactac atcaactccc tccacttgcc ctttaagcta acggataata 420

20
 <210> 373
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

25
 <220>
 <221> misc_feature
 <222> (1)...(420)
 <223> n = A,T,C or G

30
 <400> 373
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 tataagggtta actaaggatt gtggaatcag aagtgttgtg tttttgtgat cggagattat 120
 ggattgggga aacgtaacgg ttgatgatct ctccgatgct ctccgagaag ttgactggctc 180
 35 gtctccgccg cgtcctccgt ctgagttctt ctcaagggtc accgttccta aatctgtccc 240
 taaatgggat agtcgcctca agtgcaatct ctactactac cgaacaaaact atttcatcat 300
 gatcgctggt atacttggat tgggagtcct tacaaggcct ttannnnnnnt tcgctgcgct 360
 tttgacagca ttaagtttgg catttctaaa tgacagcttt gcaggttctt ttagtgagaa 420

40
 <210> 374
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

45
 <400> 374
 accggaacat agtggacttg aagggagcct acgaggacag acactctgtg aatctgataa 60
 tggagtgtg tgaaggagg gaattgttcg ataggatcat ttctaaaggc ctttactcag 120
 agagagctgc tgcggatttg tgtaggcaga tggatgatgt tgtgcatagt tgtcattcta 180
 50 tgggtgtaat gcaccgagac ttgaagcccg aaaactttct ctttcttagt aaagatgaga 240
 actcaccatt gaaagctaca gactttggct tctctgtcct cttcaagcca ggtgataagt 300
 ttaaggatct tggtggaagt gcatactatg ttgccccaga agttctaaaa cggaactatg 360
 gaccagaggc tgatatctgg agtgctggtg tgattctata catccttctc agtgggtgttc 420

55
 <210> 375
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

60

5 <400> 375
cgaggtactc agaacacgtg gatgcttaca gagccgcctg tggacaccac ccagacctca 60
aatccttttga ttctaagatt cagcagcgaa cctccaatct gatagactcg ctccaccgttg 120
aagccaagac tgggtcggtg tccccacacg cggtagacaa ggaggtcatt gagcacctag 180
ttgaagtaag caaatcggtg gcagacgtca ttactgaatg cggagaagaa gtgtgggaga 240
10 acggaactct acaatctctg gtcaaggact attttaacag taccatggag actttgaaga 300
ttttcgagac tgtaacgcaa tgcgtccatg aagcaaaaag gggccaacgt tacattaaag 360
cggccgtggc acagttttaa aaagactcgg aagaaaagga cgttggtgtt aaaaagaaga 420

15 <210> 376
<211> 420
<212> DNA
<213> Arabidopsis thaliana

20 <400> 376
cataataact caagtgattt ctccaaagat ttaaaagacg aaattgccct cttctgcagc 60
agaagataat gctccatctt ccatttcacg gagggcagtt gcagttgaat catctattcc 120
cagcagatat tgtagcctca aaactttttc cggtagcgggt ttgggatcac tctttgaata 180
aatagcatat agatcagata attcctctga gacctcccat gacattggct cagccggcac 240
25 agctttgtca catgcaagca aatcattcag cgacaagacc actcctttag agtttctctg 300
cctgagtaat gccacggctt ggaccagcga attcgataat ctactctgag cgagatcatg 360
gacaactctt ttggcctttt ccacatcaat actgagatcg gatgggattg tctggtagac 420

30 <210> 377
<211> 420
<212> DNA
<213> Arabidopsis thaliana

35 <400> 377
gaagcttgat actagtgggt tcgagacttc catgcctatg attggatttg gctcgagcag 60
tgatatgctt gatgagcttt cttctgtacc ctcgtttgat ctaccccgta ctaaagagtt 120
tgatggattt cagaaaaaag ctaaagacat gttgaagcat gcaaaaaggaa caaccactct 180
cgctttttatc ttcaaagggt gtgttatggt cgctgctgat tctcgggcta gcatgggagg 240
40 atatatctcc tcacaatctg tgaagaagat tattgaaatc aatccttata tgctcggtac 300
aatggctgga ggagctgctg attgccaatt ctggcacaga aatccttgaa ttaagtgccg 360
tctacatgag ctggcaaaaca agaggagaat ctctgtttcc ggagcttcga aacttcttgc 420

45 <210> 378
<211> 419
<212> DNA
<213> Arabidopsis thaliana

50 <400> 378
tttttgctga agattttctt ctattgaaga aagaacaaag gaaatctgcc aaactttatt 60
cagattttcat tactaaagaa tcttgcagaa attacaataa tcaattgcaa tcatcaggaa 120
atgaacaaca atcccaatag tgtaataatt aatcaagaaa actattggaa atttaactca 180
tttttatatta tttctaacta ctagcgttca ttcaagaagg cttggacttg acttagctag 240
55 aggtagcgtt tgagagcaac agcttagctc ccttgacaag ctcttccttg atcatgaaca 300
gaaccgcagc agctaaaacg ctctgcacaa tctttgtgct catccctttg taaaaccctg 360
aaagcccttc atatcgaatc attttcagaa tcgctgccaa tgttcctttg tattgttgt 419

<210> 379
60 <211> 419

5 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 10 <222> (1) ... (419)
 <223> n = A,T,C or G

<400> 379
 15 acctaggtgt atttgagagaa ccgaggtaag aacaaacact ttgaggaaca aagtnntgcg 60
 aacatgaacc gtgttgagaa ctatcagtct gtaacacgga agaaatgtag gtgtcgggtt 120
 ccagtacacc gagctcttgg tttgggttcag aaacagttga tgaagagacg tatctgtgtg 180
 caggggtcaat ggaacatcat gaacggacac caaccaacca tgcacaaatc ccttgtaacc 240
 acacggtttc agcagcaaca agctggttat gtaggnnnag agattgtgta gacagacaaa 300
 caagacttga ctcatcctct tccgtagact tccatgcata cgggtcaaaca tgagcgtcgt 360
 20 gaaaatctga atcagaacat catctgcaag cgccccgata tgttggggtga gaagagtgg 419

<210> 380
 <211> 419
 <212> DNA
 25 <213> Arabidopsis thaliana

<400> 380
 30 tcgagcggcc gcccgggcag gtgtcgctta gctccgattg gttcgtcgtc accatcactc 60
 gtcttcaacg atttgcttct ttttttttct ctctatttag tcccattttc ctcaatttct 120
 aaacccttta tttcgaaatc attggtttgc tctttctttt gattcgaatt cgacagaaca 180
 gctcttttaa gttattcata aaccttgtgt ttgagttttg gtccatcgag tatatgggtc 240
 gtggctcagt aacatcgctc gctcctgggt ttcgttttca tcccacagac gaagaactcg 300
 ttcgttacta tctgaaacga aagatctgca ataaaccttt taagttcgat gctatctctg 360
 ttaccgatgt atacaaatct gagccttggg atctcccaga caagtcgagg ctgaaaagt 419

<210> 381
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

40 <400> 381
 atggaagtgt tccgataccta tctaggagga agaaaagtgc aattatgtgg attgggtcaa 60
 tacgggaatc tgattggaat aacaatcggc tacacaatca cagcttcaat tagcatgggtg 120
 gcagtgaaga ggtcgaattg tttccacaaa aatgggcata atgttaaatt tggcacttca 180
 45 aacactccct tcatgatcat atttgcaatc atccaaatta ttcttagcca aatcccaaatt 240
 ttccataacc tctcttggct ctccattctt gcggcgctaa tgtccttttg ttatgctctc 300
 atcgggtgtg gtctctccat cgccaaagcg gcgggtggcg gtgagcacgt aagaacaaca 360
 ctgacaggag ttacggtcgg gattgatgta tcgggtgccg agaaaatatg gagaacgtt 419

50 <210> 382
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 382
 actgaattcg ttgtcactct cattgctggt gatgatgaga tctctgtaaa tgctgcaatg 60
 cttcaggaag gaatagcgag aatggagaaa cgtcagaaat gggggcacaa aggcaaaca 120
 gctgctcttg atgctttaga gaagttccaa gaggaagctc gcaagtgcag aattggaatc 180
 tggcagtagc gtgacattga gtccgatgat gaggacactg gtccggccag aaagcctgct 240
 60 ggtggtcgcc ggtaaaatta taaaaaccga taagtctgta tatggttcaa agggaacatg 300

5 aggtagggag agaagcttcg gtgtgtttct ctaaagagtt taaagacatg tcgaactttt 360
tgtaagggtt tagatttggt tcttctcttc ttcttttaat ttatatacgt tttagactt 419

<210> 383
<211> 419
10 <212> DNA
<213> Arabidopsis thaliana

<400> 383
tttttttttt tttttttttt ttttagcaat cacaagcccc gaacacggca atgctctttc 60
15 attatcaaac aaaataaatt atgtttactc acaaagtttc ttcaaacaat agtaaccaag 120
cagagcatta ttatcaatat gtttacaaca cacacacatc aagccagggt tctcgaactc 180
tttcatgaga agaggctctc aagcttttgt tctcaccaca agaactgggc acttagcatt 240
gttaacacag taattgctaa cacttccaag gaaagtcctt tgtaatgctc ctttaccatg 300
gcttccaacc acaagcatat caacaccaag cttctcagca gcttcacata tcgcttcttt 360
20 aggatttcca aattccaaca ctttcttgg agtaaccca gtctcagcac aaattttgg 419

<210> 384
<211> 419
<212> DNA
25 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)... (419)
30 <223> n = A,T,C or G

<400> 384
gcggccgcgg tctggatacc gatggaaatg agctgcctag actcatctat gnnnctcgtg 60
aaaagcggcc tggatttcaa cacacaaaaa ggctggagct atgaatgcat tgatccgtgt 120
35 atctgctggt cttaccaatg gagcatatct tttgaacgtg gattgtgatc attactttta 180
taacagtaag gctattaaag aagctatgtg tttcatgatg gacccggcta ttggaaagaa 240
gtgctgctat gtccagttcc ctcaacgttt tgacggtatt gatttgcacg atcgatatgc 300
caacaggaat atagtctttt tcgatattaa catgaagggg ttggatggta tccaggggtcc 360
40 agtatatgtg ggtactgggt gttgttttaa taggcaggct ctatatgggt atgatcctg 419

<210> 385
<211> 419
<212> DNA
<213> Arabidopsis thaliana

45 <220>
<221> misc_feature
<222> (1)... (419)
<223> n = A,T,C or G

50 <400> 385
tcacagatcc ttttaggggt tttccactgt ttctaggttt tttttattgc tcaaactctga 60
tcaatggata gttgtctctc taatcaaacg gcgcttcagt ttctcccgtc gcgttccagg 120
agacagagcg gcgatggagg cgggtggttt gttattccgg cgaagaggaa gatccagtat 180
55 agttcgatgg ttgtggttgc ggcgccggga cagagtcggt gtgagcctgg aagcagtcta 240
aacgcgccgc ntgagccacg atcggcgagc gggaggtttc tgagaagcgt gttgctaacc 300
aaacggcagc tatttcatta cgccgcccgt gatgagctaa agcaactggc tgatgatagg 360
gaagctgctt tagctcgtat gtctctcagc tctggttccg atgaggcttc tctccacag 419

60 <210> 386

5 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<400> 386

10 gcggccgcca aatggaaaca agtaagaaac tgttcaatat tcaaatcgga aggggtgaaga 60
 agagagttga agattgtatt tactattgct aacgaacaaa cacattacaa ttttatcata 120
 atattttcaag atccttttaag tatgattctc ctaatcgcat gttcacattt accaagtgat 180
 ttgaaacaag gcagtcctgcg gccaatgtga ttttggtcag tctatttgtt cttctccatg 240
 acgcagtatg atttaggcca agaaaactta agactagact catactacgc ttttaaatccc 300
 15 tgcattcttg tcgaattcct ctgaaggaac cagtccegca ataatctttt cttgaccgcg 360
 ccaaagaatc ctgtcaatga ctccaaattc tttagctttt ggtgcatcca tgtaatatg 419

<210> 387
 <211> 419
 20 <212> DNA
 <213> Arabidopsis thaliana

<400> 387

25 gtgattgtgg aaaagctgga cagagtgatg ttcctgacat tgacaagaag aagtatcttg 60
 taccagctga tctaaccatt ggccaatttg tgtacgttgt gaggaaaaga atcaagcttg 120
 gagctgaaaa agccatcttt gtctttgtca agaacacatt accaccaact gcggcattga 180
 tgtctgcaat ctacgaagaa cacaaagacg aagacgggtt tctctacatg acatacagtg 240
 gagagaacac atttggtgga tctttctact gctaattacc tcagcttcta cgtctgatcc 300
 tcttgatgat tgtacattct cgtcgacctt aataatgtca ttttactttc ttggtttaac 360
 30 cttttgagct ctcttactat ctcttgcat tgaagatggg atttgaaaca agattctaa 419

<210> 388
 <211> 419
 <212> DNA
 35 <213> Arabidopsis thaliana

<400> 388

40 atcgacgaag gagttttgag ttgaggaagt gagtagaaat caatggagga agaactctaag 60
 aatggcgga ccacgattcc gactgaagaa ttggcggttg ttgcggtgcc acctgtagta 120
 gaagaagagg agccgatggg cggacctgga ccagctccac gaggcaaacg caagcgtccg 180
 cttcaattcg agcaagctta tcttgattcg cttccttctg ctaatatgta tgagaaaagt 240
 tatatgcac gagatgtagt tacacatgtt gctgtttcag cagctgagtt ctttataagt 300
 ggaagtatgg atggtcactt gaaattttgg aagaaaaagg gtgttggtat cgagtttgct 360
 aagcatttcc gctccatct cggtcgaatt gaaggtctag cggttagcat tgatgggtt 419

<210> 389
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

50 <220>
 <221> misc_feature
 <222> (1)...(419)
 <223> n = A,T,C or G

55 <400> 389

60 tctggctggg ggtgctaatt tggagttcaa tttggaaaag gaagcagaga ggaaatttgc 60
 attgaacctt ttgggtctat atcagaatat cagacaggca gtcagcgttt atgacgattt 120
 atctcatggt attgacagaa ctgccgaatt aacggttgga cgctttggtg gtatcgatgc 180
 tttagcacag gagtatggac aaggtatggc taagcaaggg atggatgtat tactttccac 240

5 attatcaaag ctattcaatc tggttgagac atctcataaa ggccaaattg ttgggggttat 300
 cgtccttgat gagagagtaa accaagaatc agaaaatctt ttgaactttg ggtctnnccg 360
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 10 <211> 419
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<400> 390
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 tcctaagcca ctactccctc acggctctgc ttctccgtcg gtttctctcg gcttctccag 180
 gaaagttggc ggcggcagag cagtggctcg tgcagcggtc acgggtggaca caaacaacat 240
 gccgatgacc ggagtcgtgt tccagccttt cgaagagggt aagaaagccg atctggccat 300
 20 tccaatcaca tctcatgcct ctctcgctcg ccagagggtt gccgacgcta gcgaggcagt 360
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<210> 391
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 25 <212> DNA
 <213> Arabidopsis thaliana

<400> 391
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 tctaactagg gtaccacttg gttgaggaaa tgcctctcag ttgaacttca accttcaaca 180
 tatcattcac aacaaaaccc tttgatgaat ctctgagatc agctagaggg ataactctgaa 240
 agtcgcccga gtaataaaaac caagaagtgt accaattact aacttgtatt tcgacgttat 300
 tgagtttgcg ttgggttaaga actcgaagct tggctcgaac ataaatcatc tcaaagggtt 360
 35 tgaatttatc gttaaatgtta agatacagcg acatggcctt tccctttgaa agattacga 419

<210> 392
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 40 <213> Arabidopsis thaliana

<400> 392
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 aaaaatcaac agaactctgca ctttaatgaa tcagaaaagta ggaatgggtt tggagccgat 180
 gaactgtttg agaatcgctt tctcttcgtc attccgtttc ttctcttctg cgtttttcgg 240
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 aattggctca cgtgccttga tcaccactgg ctctgcaacc actgtggaag acaaagtttt 360
 50 ttccacagta acaggagctg caactgaact cgatttagca gccgtctctt caactacag 419

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 <223> n = A,T,C or G

60

5 <210> 397
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
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 <223> n = A,T,C or G

15 <400> 397
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 aaaagtgttg aatgaaaggg ctcaagattc tagcccagaa gccgatcccg agagctcttc 180
 atcagaagag gatgagaatg acaacgagga gcaccattcc gacacttcct tgcagttggg 240
 20 gttgtcgtcg acgggggtatt gcacaaagag aaagaagccg aagatcgaac tgggtctgcga 300
 taactctggg agtcaagtgg cttctgattg atggaatcga ttatttttct aattctgggt 360
 nnttaggggt ctctatgtgt cttcttgttt ctggctgttc ttttgcttta tttcatctc 419

<210> 398
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 398
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 agaacaagga aatgccacct gaatatgcgg ctgtgatgat ccagagggcc ttcaaagctt 120
 atttgattcg tcgctcaaaa tcattgcgtg ctcttcgtga tcttgctatt gcaaagacta 180
 aacttaagga gctaagagct tctttccaca acttcagcta ccgtcgccctg attgctcgtg 240
 atggagagga gcgtcagaaa ttctcagaga agatcattgt actcctctc actgttgacg 300
 35 ccatagaggg agttgatgtg atgggtcgag gagcgaagag atcaatgggt gatgagctgg 360
 aagcaatggt agatgtggta gaccgcgaac cgcaggggaa atcattgtcg atgagaaga 419

<210> 399
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 <212> DNA
 <213> Arabidopsis thaliana

40 <220>
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 <222> (1)...(419)
 <223> n = A,T,C or G

50 <400> 399
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 gctctctgcc aggctgttac tcatatcgcc gacctcgca ccgcccctcc tccgcaacct 180
 tcttcgcccc ctctctccgc tccccaaatc cacgcgcctc cgggtcagct gcctcacccc 240
 catggcagga agagggcnmn nntctgtggc atctcgtatc gtttctctcg ccacgagctc 300
 aaaggctgca tcaacgacgc caagtgcatt cgtcaccttc tcatcaacaa attcaaattc 360
 55 tccccagatt caattctcat gcttaccgag gaagaaactg atccatatcg tatcccgac 419

<210> 400
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

60

5

<400> 400

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gagaaaaatg	agtgaaagag	atgatggatt	ggggctaagt	ttgagcttga	gttttaggttt	180
10 taatcaaaag	gaccctgtct	cgaggttaaa	tccaatgcct	ctggcttctt	atgcatcttc	240
atcacacatg	cagcatatgc	agcagagcaa	ttataaccat	cctcaaaaga	ttcagaacac	300
ttggattaac	atgttttcagt	catcagagag	aaactcggac	atgagatcgt	ttctccgggg	360
aatagacgtg	aacagagctc	catcgacggt	ggtggttgac	gtggaggatg	aaggcgccg	419

15

<210> 401

<211> 418

<212> DNA

<213> Arabidopsis thaliana

20

<220>

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<222> (1)...(418)

<223> n = A,T,C or G

25

<400> 401

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acctagagac	tccaccgtga	atcagcaaca	tcaatactat	tacggaacgt	ttcaaggcgt	180
tgcaattttt	cctactcctg	ctccaccacc	gcaattttatg	caaccacagc	atccgattac	240
30 tacgtttcct	ggacatgctt	accaaaatct	ccaaggctcat	ggtgggtggtg	tgaattatgc	300
tcaaggattc	ccagttgttg	ttcctgatta	tacagtgggt	gaggtgagac	caatgataga	360
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<210> 402

35 <211> 418

<212> DNA

<213> Arabidopsis thaliana

<220>

40 <221> misc_feature

<222> (1)...(418)

<223> n = A,T,C or G

<400> 402

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ctcaciaaata	tggtttggtg	catatctctg	ctggagattt	gctgagggtc	gaaatcgctt	120
ctggaagtga	aaatggaaga	cgtgctaaag	aacatatgga	gaaaggacaa	ttggtccctg	180
atgaaatagt	tgtaatgatg	gtaaaagatc	gtttatcaca	gacagattca	gagcaaaaag	240
gatggctttt	ggatggatat	ccaaggagtg	catcacaggc	aacagctctc	aagggtattg	300
50 gattccagcc	tgatctattc	attntcctcg	aattattctg	caacagattg	ctgaaatgtt	360
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<210> 403

<211> 418

55 <212> DNA

<213> Arabidopsis thaliana

<400> 403

60 gctgttaatg	cagcttatgg	tggcgcttct	gttatcataa	ccagtggata	tgcagctgag	60
aatataagta	aagtccttag	aggactgcgt	gttggtaccc	tgttccatca	agatgctcat	120

5 ttatgggctc cggtcgtaga tactacttct cgtgacatgg cagttgctgc aagggaaagc 180
 tcaagaaagc ttcaggcctt atcttcagaa gataggaaac aaattctaca cgacattgcc 240
 aatgcccttg aagtaaataa gaaaacaatt aaagctgaga atgatttaga tgttgctgca 300
 gcacaagaag ctggatatga agagtctttg gtagctcgct tagttatgaa gcctgggaag 360
 atctcaagcc ttgcagcttc cgttcgccag ctagccgaaa tggaagatcc aataggcc 418

10 <210> 404
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 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 404
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 ggatcattga agaagctcgg aaacctatca ccgtagctac tggactcgca ggtgctgggtg 120
 gctctgggtg aagcagtaat ggtgccattg gaagtagcag tatggatctc gatgacttgg 180
 20 acacagattt cgacgacatc gataccgctg atctctcttc ccctttgtga acaattgtat 240
 caaaaaccaa agatttcatg tttctgaagc ctgctgatac tactacacat tgatgatata 300
 cagacgtgaa tataattggt cactaaaatg tataattaga gtgtgaaaac atttgtcttt 360
 gattacaaaa atgttctggt agacaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 418

25 <210> 405
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 405
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 gagaagagga ggctggaagc gtatcagtgg tttgatctat gaagagactc gcggcgcttct 180
 caagatcttt ctcgagaacg tgattcgtga cgccgttact tacacggagc acgctcgccg 240
 35 gaaaactggt acggcgatgg acgtcgttta cgctctcaag agacaaggac gaactttgta 300
 tggattcggc ggctaaatcg ttcggattgc aatttcggat tttgtaaact cttcaatttc 360
 agcatctagg gatttcagat ttgtaatttc tcagttaaac gatgaatgaa ttgaaaaa 418

40 <210> 406
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

45 <400> 406
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 tgaagaacac gaaagaaaag atggagggtc attattatct cgagaggaaa gatggaattg 180
 cagatctagc tgttattggg aggttgaaga attctaaacg catgtctttt agatacgctt 240
 tgaagaagaa tcgctctgtc ttgaaaaagc ttaattctaa agatgatggt gcgctttggc 300
 50 tcgattctat tgtttctgct aaacctatta atgacttaat tttgctgcag acagatccgg 360
 tttccacctt ttggtgagat acctcatgta gcagatgtac cagctactgt tatgactg 418

55 <210> 407
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 <212> DNA
 <213> Arabidopsis thaliana

60 <400> 407
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 tatatcggtt acaaaaaaaa ttgttatgag atcattctat aagagagatg caaagagcaa 120

5 cactcatgcc aagaatcaaa gatatcaaat ggcaggcact gtttttaagt gttgattttc 180
 ccgagttggt catttctgca agaactccag caacagctat gtatatgaat cctcccgcgt 240
 tgaatccctc aatcaacgat gattgtcctg gttcatttcc ccagaccaa accaatgcag 300
 ttccggcaag tgcgacgagt gcagagagga agttgaagaa gagggtcttt gttactgtga 360
 agcctgatct tactagaatc ccaaaatcac ctatctcttg ggaagctcg tgggcaag 418

10 <210> 408
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 408
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 atgagagggt ctgtatctat ggctcttgca tacaacaagt ttacaagggc cgggcacaca 120
 gatgtacgcg ggaatgcaat catgatcacg agtacgataa ctgtctgtct ttttagcaca 180
 20 gtgggtgtttg gtatgctgac caaaccactc ataagctacc tattaccgca ccagaacgcc 240
 accacgagca tggtatctga tgacaacacc ccaaaatcca tacatatccc tttgttggac 300
 caagactcgt tcattgagcc ttcagggaac cacaatgtgc ctccggcctga cagtatacgt 360
 ggcttcttga cacggcccac tcgaaccgtg cattactact ggagacaatt tgatgact 418

25 <210> 409
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 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 409
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 tgtaagtaga ctgactaata accacttaaa tcaaacaana ccttagaaac atggaaactg 120
 atcattaaga ctattataat aaccctaaca taaaagatc catcagcttt cccttggttc 180
 tcacgcaaac tctgaaaatg ccaatttgag gaaaaccttc tcctttactt ttgctattgc 240
 35 ctctctctta tttatttctg ctctaccttg tccgaagcat gtatcctcct ccctgattgc 300
 ttctctaccg tctgaaacaa accgttgaag caagcacgaa aagattcgca ttaagaacac 360
 caaaaaggac aaggatcttt ctcccaagag cagaaacat ttgctacgat aactctaa 418

40 <210> 410
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

45 <400> 410
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 tagaagaatt atgttgcaaa ttgcattttc tttttccttt ttgttccttc cacttatggg 120
 ttcagaattt gaaaaaaaaa acagctttta ccttctttcg tttgctttcc ataccaaagg 180
 aagcaaacaa aaagaggctg atgaagaaag aagaaacaac ataactgtta aatagtttta 240
 agaaggtcat tccttttttt tttatcataa tcaattccca ttgcatcggt gaatcacacc 300
 50 attactgcta ctctcttgca cttagcttctt cttctgggtt tggttggtta tccgggtcaa 360
 tccccatctc cttattgttc catcatcgct tgctgaagcc aacatgtgta gattcgtc 418

<210> 411
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55 <220>
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 60 <222> (1) ... (418)

5 <223> n = A,T,C or G

<400> 411

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gattgttttag	caaaccagac	agcgattttg	ccaaagattt	gaagacgaaa	aagaaataac	180
acctatttcta	cccacttcag	ggcccatttg	gtggtatctt	ctcagggcct	gagagcgaga	240
gcaatcccaa	ccttggcact	cttatcgatc	gccttagaat	caacctctcc	agaaacgggtg	300
aagaacgact	ttggacgcca	ctcatgttgg	atcagagcgt	tnnnacacca	gcattgttca	360
ctcttgccct	cactgtgggtc	aatgggtcaa	gcgcgtgttg	agttccgaca	gtgatggc	418

15

<210> 412

<211> 418

<212> DNA

<213> Arabidopsis thaliana

20

<400> 412

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agattctgcc	agacattggg	acacggcttt	aagaaaaaga	aaataatgaa	aggccatata	180
atatggagta	ccttgattct	tcagcaaaaa	tttctcagga	cgaagcagag	aatgtcaaga	240
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ccatacgga	taggcttggt	ggtaagacga	ttccagcacc	aactgaagtt	ctgaatgtct	360
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<210> 413

<211> 418

<212> DNA

<213> Arabidopsis thaliana

35

<400> 413

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tcaacagata	tacacccaat	gacccaaact	gaacaaaaac	aaaaaaaagt	aaaacagaac	180
agaagcaaat	gagggaggga	gggagagaga	gagagagaga	gagagataca	catggtggat	240
gatttttcagc	ttattcccag	ttgcagactc	caaagtttgt	tttatctact	attaaggcaa	300
atgatgatcc	tgctgaatta	tttttagaag	atgtgaaggg	gcgagagata	ttacgtgaaa	360
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<210> 414

<211> 418

<212> DNA

<213> Arabidopsis thaliana

50

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<222> (1)...(418)

<223> n = A,T,C or G

<400> 414

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aaaggcaaga	gagagcctga	agatgatatt	gacaccaaag	tgagtcttaa	gaagcagaag	180
aaagacgtga	ttgctgctgt	ccagaaggaa	aaagctgtga	agaagggtcc	taagaagggt	240
gagagctctg	atgattcaga	ttctgaatct	gaggaanng	agaaggctaa	gaaagtccca	300

5 gccagaagg ctgcttcaag cagtgatgag tcactctgatg actcttcttc agatgatgaa 360
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<211> 418
10 <212> DNA
<213> Arabidopsis thaliana

<400> 415
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tactcaaatc tccacttccc gtctctttac gccggagatc atcaactctc gttaaagcct 180
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ggttcggttc agtccccgaa ggtgtcactc gcaacgcgtg gcaattactc gcgatcttcc 360
20 tcgccaccat cgtcgggatc atcactcagc cgcttctctc cgggtgctgt gctctaata 418

<210> 416
<211> 418
<212> DNA
25 <213> Arabidopsis thaliana

<400> 416
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tccttttttc ttctacttct ccttcccttt gcttcgaaaa gggatatctg tgatctttat 180
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attgctctgt gttaatgatg gttcaaaaa ctccagaagg atcacttacc aattccagtc 360
aaagtatgtc aatcaacact ttagcagatc aagtatcttc gagtttgtct ttcgctga 418

<210> 417
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40 <213> Arabidopsis thaliana

<220>
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<223> n = A,T,C or G

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aaagcgctaa cacagtgaac tagccagtgt ggtatgggtga tattcttaag aaattttgca 180
50 gactaaacaa atcttcccaa cccatttcgc tatacactac cttcgaatgc catttctctac 240
gtctgtgaac ctgtcgacta atcattcttt tggtgtttgc accgaataac agtgtttgac 300
aatgcaggag ttgcttcata gttcctgtaa annngtcaag ctcttaggct tattagcagc 360
ttctgacttc attcaagtgg attcaacctt ggattatata gtgtagtctc caactgat 418

55 <210> 418
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<212> DNA
<213> Arabidopsis thaliana

60 <400> 418

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aaggaagaga ctcttctaga gcagcttctc ctgatccact tggcgaatca tcaagctccg 180
gtactgccag gctagataaa acggatagtt tcagggcact ttgatttttag tttttctcca 240
cttgtcaggg tctcataaga tatatgctag tggattacag gataagtatc tgtggccgag 300
10 gaacctactt atcaagtttt aactttttag ttgcgccatg atagtgtcaa atgttattaa 360
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15 <212> DNA
<213> Arabidopsis thaliana

<400> 419
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aaccatttca cgagcaggat cttagcagtgg tagacctcca tctattcatg ttgatgagtt 180
tatggccaga cagagagaac gaggccaaaa tccctccacc attgtgggtg gagaggctgt 240
tgtgcaagtg aaaaatccta ctctgtctag agatactgaa aaagttgcag gtaaacctaa 300
acaattcaaa gccgatcctg atgatgatct acaaggaata gatatagttt ttgatgggtg 360
25 ggaatgtgaa ggacctgatg acaagttgcc ctttcttcag cccgatgaga accttatg 418

<210> 420
<211> 418
<212> DNA
30 <213> Arabidopsis thaliana

<400> 420
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tttacacaaa tgatggcggg gagattgtta aggggggtctg ctccaacttc ttgtgtgact 120
35 tgaagccggg tgatgaagct aagatcactg gacctgttgg caaggaaatg cttatgccaa 180
aagaccccaa tgccaccatc atcatgcttg gaacaggaac tggaaatagct ccattcagat 240
cattttttgtg gaaaatgttc tttgaggagc acgaggacta caagttcaat ggtttggcgt 300
ggcttttctt ggggtgtacc acaagcagct cactgtctata caaggaggag tttgagaaga 360
tgaaggagaa gaaccagac aacttcaggc tggactttgc ggtgagcaga gagcagac 418

40 <210> 421
<211> 418
<212> DNA
<213> Arabidopsis thaliana

45 <400> 421
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gtttcttcaa tcgatttgct tcagatttcc ccagattata tagaattcga tgtcaagaca 120
cagaattcac atgggttttg tctaaaaatc ataaaaatcat atctttttac ggatttgaag 180
50 atgaatcaga attcctctgt tgccggaggcg acgcttcagc ttaattccgg tgaaaaacca 240
tcgccgggat cgattccgtt tatctcctct ggtcaacacg gaaacataag cacttcagcg 300
acgagttcga caagcacaag ctcaggtagt gctcttgccg tagttaaact cgccgtgaaa 360
aaaccaacta aagatcggca tactaaagtc gatggtcgtg gacggcgaat tcgtatgc 418

55 <210> 422
<211> 417
<212> DNA
<213> Arabidopsis thaliana

60 <400> 422

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 taacataaca gagatacagt aggaaaccaa tacagagaca aactttacaa attacaaata 120
 gactaacgct agtgtctcat ccaaaaccag aatttggtga aaaaattata attatgaaac 180
 aagcacaagt tcatcaagcg aggaaaaagg attataaaag ggaacgatag taaccgaggc 240
 tagaaggagt tccagttatc tgaccttttc gtagggcttt catccgaaga gactttaaag 300
 10 ggacctgtgg aaccaaaccg gtctgcatca tcaaaccgagt atccatggct accactgaaa 360
 tctttgtac tattcataga gtcgaatctt gatagcgagg gaccaccaa gtctttg 417

<210> 423

<211> 417

15 <212> DNA

<213> Arabidopsis thaliana

<400> 423

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 20 gtaaaaacgg atactaggaa ttgtatacac cacaaaatta cgtataagaa agtctaaaca 120
 aaagtaaggt aaaaaaaacc aacacagtag taatccaaaa atccaaaatc taaaagaaat 180
 agcctctata cgcttgggct gggcctataa cccgttgaag atccggattc atgaagtccg 240
 ggttcgggct ctaaattgga tctccctctt ttcacagagt tcatcttctc caatttgagt 300
 ccggctctga atcttgcgat gaaatcatcg gctttggtat ctacgtcggg gctcggacag 360
 25 aacatactcc cggcggcctc cttacttcca gctgattgag ctacatccgg atcatca 417

<210> 424

<211> 417

<212> DNA

30 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(417)

35 <223> n = A,T,C or G

<400> 424

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 cacacctcgg gagctataga agatcaacct tgtgaagctc ttgaagtaga ttttgcagat 120
 40 gagtattttg gaggccttac tctgagttat gatactctac aggaagaaat aaggttcgtg 180
 atcaaccggg aacttatcgc tggcatgata tttttgcctc gtatggatgc aaatgaagca 240
 attgagattg ttggtgttga aagattttca gggtatacag ggtatgggcc ttcgttccaa 300
 tatgctgggtg attacacaga caacaaggac ttagacattt tcaggaggcn aaaaacaaga 360
 gtcatagcta tagatgccat gcctgaccca ggaatgggac agtacctcgg ccgcgac 417

<210> 425

<211> 417

<212> DNA

<213> Arabidopsis thaliana

50

<400> 425

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 tggacgcaaa tcgatcaact cttcatcttc gtccattttc gtacctatct cattatctac 180
 55 ttcctacggt cgaagcaaact gcgccttctc aatctcgcgg aagaatccaa aatcgacgat 240
 tcgttgcatg attgctgtga aatcggcgcc ttctgtagac gcggacgctg atctatcgct 300
 atctacgtcg ttggagacgg aggaagacga gaaagcgaag gagaagattg gagctagggt 360
 taggggttac gttccgttga aagtttacca tgtggttcgt gtacctcggc ccgcgacc 417

60 <210> 426

5 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<400> 426

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 agccttgtgt tgaactgaaa gtcataaaag ttctttcctt tctccacttg caagcattcc 180
 ttatcaagct cttctctgga tcgaaagaga gactcgaaat ttttatagt tagcaatctg 240
 ttctcacggt atctatccct cgtgtaattc aggcctctccc atggaatccc ttgaatatct 300
 15 tttccattcc tagcttctaa cgctgatgtt tcattgttcg tcttactctg actcagctcg 360
 aaatcaaaat cggagtcctat gaaatcggaa tcagaatcac tggtgacatc aacctct 417

<210> 427
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<400> 427

25 tccgagtcct tccggtttttg ctggctgggtg aagcgtgttg tcgaagagag aaatctcaag 60
 ctggttgctgg tcctgggtcat agtgtagcag tcacatcgaa aggagaagtt tatactttcg 120
 gatataataa ctctggacag ctaggacatg gtcataccga ggacgaagct cgaattcaac 180
 ctgttagatc attgcaggga gttcgaatca tccaagcagc tgctgggtgct gctcggacaa 240
 tgctaataag cgatgacgga aaagtattatg cgtgtggaaa agaattcctc ggggaagctg 300
 aatacggagg gcaagggact aaaccagtta caactcctca gcttgtaaca tctttaaaaa 360
 30 acatatttgt agtgcaagca gctattggga attactttac cgctgttctc tcccag 417

<210> 428
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<400> 428

40 agagaacgag agagagagga gaacaaaatg gtaggcgaag aggagacgaa gaagagagta 60
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 atcgaagggtg ttggtccttc ctcaatcatg gagcttaaag ctacagctcta taagtctcag 180
 gaggaagcta aacagacaaa ggattttacg ggatccgatg ctcaatacca tcgcgccaaa 240
 gaaaggattg ccgccaaaga ttctttcgcc gcgaaaaact ccggcgctcg aagtcgcaat 300
 ttaaaggaca agcttgagca caaagctgta aaagatggag cagttagtta tgccgcattg 360
 gagaaaaagg ctcagttgta tgataaactt gctagaggag agctttctga tgaagaa 417

<210> 429
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<400> 429

50 acttttaagt ttgctcctag actgtgcgaa gaaatcagat cagacagttg tttcaatttc 60
 attaggagca ttggttcacc tcatcgaggt tggaggccac caatttagtg agggagactg 120
 ggatatgctc ttgaaaagca taagagatgc atcatacaca actcaaccgc tggagctgtt 180
 55 gaatgctttg agttttgaca atccgaaaaa gaacctagt ttggcaggag acatagaggc 240
 cgatgcctct gattctccac gagttgatcg taatccggac gatattaaag ataatgggaa 300
 agtgtccgcc caggcatctc caaggattgg tactcatggg acttccttag aatctgggat 360
 accgcctaag gctgatgggt cggaaggctc tccatcgtea tctggaaggg ctcaaaa 417

60 <210> 430

5 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<400> 430

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	gccgtctatc	tcccaattcc	gtgaccgttg	ttgttttagtg	aatcgatgat	ttacactgct	120
	atcgacaatt	tttacctatc	cgacgagcag	ctgaaggctt	caccttcgag	gaaagatggg	180
	atagatgaaa	caactgaaat	ctctcttaga	atctatggat	gtgatctcat	ccaagagggg	240
	ggaatattgc	tcaaactgca	gttatggcta	ctgggcagg	tctgtttcag	cgattctatt	300
15	gcaagaagtc	tttggctaaa	tttgatgtca	agatagttgc	tgccagctgt	gtatggcttg	360
	catcaaaaact	ggaagaaaac	cctaaaaaag	ctagacagg	catcatcgta	ttccaca	417

<210> 431
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(417)
 <223> n = A,T,C or G

<400> 431

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	taaatcattt	tatacaataa	acacgttctg	ataagaagac	aaacaaggcg	gacaaacacc	120
	cttagaagat	ggattgaagc	aaatatagat	caagtctata	ttgtgcctac	aaaatgagaa	180
	atctaagttt	cgagtatgat	caagtatctt	agcttttaggc	tagagaaacc	aatctctttt	240
	attcttttgcg	gtgtggtttg	atgtatagta	tggancctaa	aannnnctac	gtctaaactg	300
	aagatccagc	caaacgtctt	cttgatgcat	ttgaagtcgc	gacttgaccc	aatttgtctg	360
35	actctttcga	gtcatccgtc	actattctct	ctctcactgg	tgtgtaatgc	ctcagcc	417

<210> 432
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<400> 432

45	ccacgcgtcc	ggtggctcaa	gctttacttt	tggtttatga	gaaagcagaa	gctgaaggaa	60
	ggtacatctg	cataggccac	acggttaggg	aacaagaagt	cgctgagaag	ctgaaaagtc	120
	tttatctaaa	ttacaactac	ccaaagagat	acatcgaagc	ggatggaaaa	gtgaagggtga	180
	gttcagagaa	gttcagaaag	ttgggttgga	cttaccggcc	gttggaggaa	acacttgtgg	240
	attctgttga	gagctaccgc	aaagctaagc	ttgtggactg	aaaactggga	acgaatagca	300
	tatgagtgtt	ttgggtccat	gtgttaagt	ttcctatctg	cacacgctct	ttcatctttt	360
50	actcaagaat	aagagtgtg	caacatattt	tccatcaaaa	aaaaaaaaaa	aaaaaaa	417

<210> 433
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<400> 433

60	ccacgcgtcc	gagaaagagc	aatggtgaac	gaaatggtgt	cgaagatgac	aagtgtgtgc	60
	tgggacaaat	gcatcacaag	cgcaccggga	agtaagtcca	gctcaagcga	gagttcttgc	120
	ctcactcatt	gcgctcaacg	ctacatggat	atgagtatga	tcatcatgaa	acgctttaat	180
	tcgcagtaag	attgattgga	gatatcatat	ttgttgggat	tttaatttat	cctttttttg	240

5 tttctcttgg caagtgttga aatccctttt attactctag tgatcttgca agagtattct 300
 cggataagtg ttttaggtgt ttctttatgg ttatgtgatt gagattgtta ttgatggcta 360
 gtaatatatt aagagacaag tgttgaataa tgtgggttta ataaaaaaaa aaaaaaa 417

 <210> 434
 10 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

 <400> 434
 15 acattataca acacagtcga tatcattgga gcaaaaactc tttataaact aactaaatga 60
 tgattagaac aaatatagat atattccctt tggcttttga cttcaacaca attcaagaac 120
 aaatgatagt gtgacgaagc gagacgacat cgtttccagg tctcaagctt ctgaccgaat 180
 cagggagaac aatccctttag ccatatatag aatcgacaaa ttgggttgat ttttccgact 240
 ttgacttagc cctcaagata acctttgttt tgcaggtaag agatgatgtt ctgaccatc 300
 20 tgacgtggcg aacacgactc gtcgtctcct gtgtgtttca gcaactacac gcaattcact 360
 ggtgcctcgt aagggtcgtc gattccagtg aagcctttga ttttgctcgc acgtgca 417

 <210> 435
 <211> 417
 25 <212> DNA
 <213> Arabidopsis thaliana

 <400> 435
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 cgagaacttt gattcgcttc gctgattccg gcaacaaaga cgatgtttgt tcattaaggg 120
 tttggcatcg aagaagttca tgaaaggctg attactggca gctctagcgc gattttttaa 180
 tcagatcatc ccgccatgac ctcaacaagt tgtctcttca gaatcagctc aaagcagaca 240
 ggaaagaggc gttaaagatt tgggtgcaagc tgcgactctg tgatcacaac tccacaccaa 300
 gtatcctctt acatcgactc cgtcgtcctt gcaactcgtg tttctttgaa tagccaatga 360
 35 agagtaaaagt tcaattatgt gtgtcgtgtt tagtaatttg acttgaaaaa agagttt 417

 <210> 436
 <211> 417
 <212> DNA
 40 <213> Arabidopsis thaliana

 <220>
 <221> misc_feature
 <222> (1)...(417)
 45 <223> n = A,T,C or G

 <400> 436
 50 tttttgaaaa tgtagtaaga attttttctt tctcggtagt aagattaaaa tccattcaaa 60
 agactactaa aaaaaaatct aaaactaatt ttgttataga aaaaaaatta caaaaccaac 120
 ccctctatct ctcaaaatat tacaaaacta ccaaactaat taattcttca agccgaacca 180
 aacaccaaac cactcacgct aggagttaca tgcctcctgca tcgtggactg gtgatgacgg 240
 tgctctcctt cgtacgtcac aatcaacatc gttgaatcat ccaaagctct ttccacgtgt 300
 ttctctcgtg gacatcctct aaatgtacta cacttgtaat aaccccgtag atgtggtag 360
 cntttgatcg gtttttgctc atactttctc catgaatatt cgtctggtgg tatatcg 417
 55

 <210> 437
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 60

5 <400> 437
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ttgaaacata cagagaactc ttgctttgtc ttacaaactt atacaaaaag tcaagagaaa 120
ccaaaacaga tcaaagaaac ccaaaagtaa aaagatttaa acaacaaaag aggtaataaa 180
taaataaaga aactaaacc aattgtctgg agataaaacc accaccgtga accaaaacca 240
10 atgtacagta acacaatgtg aaaaccacac aagactgata aacttcacca gcgagttgaa 300
ctaatatgag gttgttcaat gatgaactca gtaactgaat ggtgtctgtg ggtaaaggcg 360
gatcgttgga gcttccgga ctttctggaa atgtcgggtga ttgatctgaa gatgagc 417

<210> 438
15 <211> 417
<212> DNA
<213> Arabidopsis thaliana

<220>
20 <221> misc_feature
<222> (1)...(417)
<223> n = A,T,C or G

<400> 438
25 tttttttttt tttttttttt ttttttagact acaacttact tttataaaact ttgttaattg 60
tcataaaaaat aaacatagat ccgagtaaat atagatatca ggtacaatga aaatcaacaa 120
ccctttgaaa tagaatagat ccatacactc ttactttgac aaaatagaat aggcacacac 180
ttattttgact atgattttgt taattttgaa atcacattta tagtcttcaa ttatgtttgta 240
aacaacctaa actttcacaa tttcgtccaa caatattttg aaattctcta aagagcttcc 300
30 tttcatggag aaatcttctt ggagtttttc ttttaagcttc ttggcattag nmttcatcgt 360
cttaccatca tcatgaacaa aaacatcatt caaacacttc tcaaatcctt ctttcgt 417

<210> 439
<211> 417
35 <212> DNA
<213> Arabidopsis thaliana

<220>
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40 <222> (1)...(417)
<223> n = A,T,C or G

<400> 439
45 gacgtcgcat gcacgcgtac gtaagcttgg atcctctaga gcggccgccc ttttnnnntt 60
tttttatcta aatttaagct gctaaataat catcaaaatg taatttaaat acaataatgt 120
gtttattcaa caattatata tacacaaata tatatcaacc ctaaccagaa tgtgatactt 180
gtttaccaag ccatcaaate taccgtgctt taggttcatt gatctccgaa aatactcccc 240
aactcgaacc actcctctca tcaccaacaa ctagaacaga gtcacgggtc gtgggtcgatt 300
tcccaacgtg tcctgtagtc ctactaaaca agtcactctt tccgtccgtg gtcgtaccaa 360
50 cttcaccact tggcattaga tccagagact ccacgttgtc attcttcttc ttagcag 417

<210> 440
<211> 417
<212> DNA
55 <213> Arabidopsis thaliana

<220>
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<222> (1)...(417)
60 <223> n = A,T,C or G

5

<400> 440

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	ttgaaaagtc	attacatcca	aattattttt	ttttagccat	gaaaatatac	nnnctctatc	120
	tcactctttt	attttttacag	tataattcat	atgtacatta	attgatctca	aacattgctt	180
10	tgtgtaggac	agttttgggt	actttgggtc	tatactatta	gagtgtaaaa	ggctcggctt	240
	ctgatggaac	ttcacgagct	ctttggctct	caagtggcat	atactgtgac	atgatcgtca	300
	taatctcaga	gtccatgtaa	gacctgaacc	ggtatttgta	gaatatataa	ccagctaaac	360
	cggctactgc	gacaatagct	agtatcaaga	gtgtgagcca	ccatgctggt	ttggatc	417

15

<210> 441

<211> 417

<212> DNA

<213> Arabidopsis thaliana

20

<400> 441

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	caacatgaaa	atctagtaat	acatgtaaa	aaagaagggt	aatgatattc	cgcattgttca	120
	tagataggac	tcgaatcttt	ctttaccaca	agaggggttt	acaatgatac	aatgatcatg	180
	tcctagaaga	gaaggatcag	atgggttggt	ctttgggaac	gatctgatcc	ttgatccaca	240
25	tgtagatagg	gattaacaca	aaccaggcag	ctgctagagt	tcccaggagg	aagcgtccca	300
	agaaggagaa	ggggttggtg	acaggcttct	ctacgtcctc	ttcctttgga	ccaagctgga	360
	gaggagagtc	accggaggca	ggtttaacac	cagtgcacaga	acatcccatg	ataaggc	417

<210> 442

30

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<400> 442

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	tttgatattg	caggcctagt	gaaatatggt	ggctttgctt	tgatcaattt	tcataagta	120
	tcttcaaaca	ctggacagga	tcaagctcta	ccatctgcga	gctccatctg	ttcgtgtagc	180
	aatgtaattt	ctcagagaag	gagactgggt	aagaccatct	ggtgcaactg	tggtgttctg	240
	agttccattc	ttctgcttca	tccttctgcg	tgctatgtaa	cctctgacct	aaggagtaac	300
40	atcctcggtg	gtcttaatac	tgatgaagaa	gatgatgcgg	tagatgataa	tcatagtaag	360
	aatcacactg	aggttaatcc	attttgatcg	atgcaagtcg	atctgaaaaga	cgttctc	417

<210> 443

<211> 417

45

<212> DNA

<213> Arabidopsis thaliana

<400> 443

50	gcgccgctgc	gatgagttca	tcaacaagaa	agcttgaggt	tgtttcacca	gttcccgcgc	60
	atatcgacat	agctaattcc	gtcgagcctt	tacacatctc	tgagattgcc	aaagatctta	120
	atatcaacct	tcttcactac	gatctctatg	gcaagtataa	agctaagggt	ttgttgctctg	180
	cgtttgatga	gcttcaagga	caagaagatg	gatactatgt	tgttgttgga	gggattactc	240
	ctactcctct	tggagaaggc	aagagtacta	ccactgttgg	actttgccaa	gccttaggcg	300
	cttacctcga	taagaagggt	gttacttgtc	ttcgccaacc	gtcacaagga	cccacctttg	360
55	gaatcaaagg	aggtgcagct	ggtgggtggg	atagtcaggt	gattcctatg	gatgagt	417

<210> 444

<211> 417

<212> DNA

60

<213> Arabidopsis thaliana

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cgctggacaa	gggacttagt	ggctaattgcc	cttctttgct	ttcaatgact	cgagtgcctt	180
10	gtttcgcaac	tcaatttcaa	gcctctttgg	atcagattcc	tccccctttt	240
acggggcctca	acttcacctt	ctgaagtatc	agaaagctct	tgtttcttat	gcttctcctt	300
tccaccacga	cgttcttccc	ttttacgatg	tctctcctct	cgcctacggt	tcttctcctc	360
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<211> 416

<212> DNA

<213> Arabidopsis thaliana

20

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gtctccatga	ttatgagatg	aactaacaat	gatgttgtcc	aagaaagttc	cagttccagt	180
ctcttgacca	tcaccacgag	taaaatgggt	gacttggtcca	tcacctacat	agattccgtg	240
25	atgagcgtaa	atgtaggctt	gacgccatga	atagatgtga	tcgcctgggt	300
tctggagatt	ttattggaaa	ggaatcccat	cttctccacc	gacgaatgga	gaaccagaaa	360
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<211> 416

<212> DNA

<213> Arabidopsis thaliana

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ttccgtttcc	gatgtgggtt	taagtgggtg	tgctctagtg	tcttacagag	ctgcaaattg	180
tccaaggac	aaagaacatc	cttatgggtca	tggtaaattt	gaaacgcttg	gagcacttgg	240
catctctgcc	atgcttttgg	ctactggctc	tggtattgcc	tggtatgctt	tagacctttt	300
40	atctattgca	ctgtccgcag	ctcctgaggt	aattcatagt	ggacatcatc	360
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<211> 416

<212> DNA

<213> Arabidopsis thaliana

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taaacttgaa	gaaaactccc	cagctgggtg	agttggctcg	tgatagcaag	gatgtggaag	180
agctaattgag	tttaccacct	gagaagatct	tattgagatg	gatgaatttt	cagttgagaa	240
aaactgaata	caagaaaacc	gtcacaaaact	tctcttctga	tgtaaggat	gcggaagctt	300
acactaatct	attaaatgtc	ctggcaccag	agcacaaaga	tccatcacat	ttagcagtta	360
55	aaagctcatt	tgagagagca	aaacttggtc	tcgaacatgc	agacaaaatg	416

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 gagatccctg gctcgtggct cagatgcaaa gcttggagat tctccatctc ttctctaata 180
 15 acttaacagg aaaaattcca gaaggagtaa cttctttgcc acgtctaaaa gttcttcagc 240
 tttgggtcaaa cagattttcc ggtggaattc cggcaaatct tgggaaacat aacaatctca 300
 ctgttcttga tctttctacc aacaatctca ccctgacact ctttgtgatt 360
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 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

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 ctctatttgc gatcttgctc agcctgtcga tgccaaggaa tatctcgaca atattattgg 180
 aaaagaaggc aaaagcatca ttgcagaata tctacagcga agaggataca aagatccatc 240
 30 taaccatgta gcagccagtt caggtccaga actgcaaagc tatgttaagc caaaagtggg 300
 taatggtgct tctagtggaa ccaagaaacc gtttaaaaca ccaaagagg gaacatcttc 360
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 tggaaaagct caaggaaatg gatcctataa atttcgaaac tggtctgtta ttgatgagaa 180
 acctcacagt taacttatca aaccctgatt tagaatccac ttcggtattgt aatgatgctg 240
 cagaggaaag tcctcttatc atatgacaac gtgacgaccg agtcccaag cgttnnntcc 300
 50 cttgtcaaga nctcaacnng cgacaaatca gcataacaaa aatatgagcc atcagctagc 360
 aagtttactc attggtttcc catgtttaat aaactttggg gttatacgtc actgga 416

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 55 <212> DNA
 <213> Arabidopsis thaliana

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 tacattcctt ctttgtccct aaatcaaagt aataacaaac ttataaaacg attaaaatgg 120

5 tgcaagtaaa acataacatt ttcaggtgac tttttatgat ttgttccttt tcaagaatca 180
gtgtccattg gctacagatc catcttcacc tttcttgcca tagaatctcc ggtacaagga 240
atcaacctct ttcagataat aagttcccgg tgccaaaaga tctataatac cctccttggt 300
tgtcacaaag tcctttgctc catactatgt tccattagct tcattgtctc cacaaacttc 360
tcaggtgcat actcatgtct agctttcaat ttaccgccaa catccattac agatgc 416

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gttcgaccag gcacattgta tataatcgtc ggtcccatat gaagaacaga ctggaaatgt 180
20 gcaatcagtc cctcaataga agtcttgcca tagtaagggt ttatatgaag agcagcatgc 240
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gtgtttccaa tgactttgat gcttcgccaa aaacagttaa cggatatggc tataagcata 360
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30 <400> 457
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tgaacgtaca gaaacagaag tttccgttga gctttaagac gtttgggaa gctattcctc 180
cacagtatgc gattaaggct cttgatgagt tgactgatgg aaaagccatt ataagtactg 240
35 gtgtcgggca acatcaaag tgggcggcgc agttctacaa ttacaagaag ccaaggcagt 300
ggctatcatc aggaggcctt ggagctatgg gttttggact tcctgctgcc attggagcgt 360
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tgcgattgca ttataaggct gcaattgaac agatcgagca agttcaaatt gacgtaacat 180
aaaacctatt aatgcgaaag cgccgtggag agcaacaaaa gcccatagac cacctaattg 240
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50 taaactatta gcaggagtag aaactgcagc gggttaaaaaa ttgcaacctt ctaaatagga 360
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5 acatcttatt tcttcatatc caaagaccac ctgttcgtac aaggtgggtt ggtctcatac 180
actttactgc ttcgtgcttg cttacagtta catgaatttt ttcttgaaaa cctccacaat 240
ctccttagga tccattttcg tctgtgcata gccatcgctc ttgttaattt cctcaatcca 300
tgctgatagt ttgggacggt cggcagtaat gtcgcactta aataattcat tgagtacagt 360
ttggaacctt tcaatgaacg ggatataggg gatatcaacc aagcttaact gaccga 416

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ttgttttagtt tctcttttaa gtccatcgat aaatggagca cggaattttt ggggtcaagg 180
20 ttgagacttt aaggtattag tgtagtaaca tttggaattt tcttaacttg caatgtggcc 240
tcacaaatag agccgggtcct gagaaatcag gtggccaaac aaaattatct tatttttaga 300
agtgtttaag atatatTTTT tttaaagaga gttaatgtta aagtttcaga aatttaggac 360
cttgttcaat atggcctgct cgtaaaccgc attctcataa aaaaaaaaaa aaaaag 416

25 <210> 461
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<212> DNA
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gtcattttcgc aaggacgacg tacaaaagat tcggaacctt ttctaaagtt tttttatata 180
tccaagaagc aaccagcttg aacgtggcct tcatatttat catgtgtttc cagttttaac 240
35 catcgagaat tgctcatatc ccaattatac cctacacttg gttcgccgta ccgagccgaa 300
ccgatcacia ccaggtttcc agacctcctt atcgccacgt aagatacatt gcacacgtca 360
gcaggtagat tcccaacttt ataccacgtg tcatctttca tcatcatcag atcacg 416

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45 <400> 462
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accaccacca tgctccggct ccagcaccag gaccgcacac tagctcaacc gttgtttctg 180
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50 ttttaataata ttttgaattt ttctcatttg tttttaactc tctctatgtt gatctgattt 360
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15 tcaaagagtt	aaattagtag	ttgtcgggtga	tggtgccgtc	ggcaaaacat	ctctgttgat	180
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ttttaaaatc	actcgcgacg	atggtacact	tgttctgttg	catttggtgg	atacagccgg	300
tcaagaggac	tacnaccgat	tgagaccttt	gagttatcct	ggcgtgatg	tcacctctgct	360
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25 <400> 468

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ccgagagtac	caaattcttat	tgagggttct	tttggttgagt	ctcaatcatc	ttcgtttatc	180
30 gatgttataa	accctgctac	acaagagggt	gtatctaaag	ttccattgac	tactaatgaa	240
gagttttaaag	ctgcggtatc	cgctgcgaag	caagcgtttc	cgttgtggag	aaacacgccg	300
attactaccc	ggcagcgtgt	tatgctaaag	tttcaagagc	ttatacgcaa	gaatatggat	360
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 <213> Arabidopsis thaliana

40 <400> 469

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cgattcctaa	ggaagcggcg	tatcagatca	tcaacgacga	gctgatgctt	gacgggaatc	180
cacggttgaa	cttagcctcc	tttgtgacga	catggatgga	gcctgagtgt	gataaaactca	240
45 tcatgtcctc	catcaacaag	aactatgttg	acatggacga	gtaccccgtc	accaccgaac	300
ttcagaaccg	atgtgtgaac	atgattgcac	atctattcaa	tgcaccgtta	gaagaggcgg	360
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55 <400> 470

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aagccatgga	ggtcgatgaa	aaaccaactg	aagattacaa	tgacattgga	ggactagaga	180
agcagatcca	agagcttgta	gaggcaattg	tgcttcccat	gacgcacaag	gaacgttttg	240
agaagctggy	tgttcgtcca	ccaaagggag	tgctcttgta	tggtcccca	gggactggtg	300

5 aaactttaat ggctcgtgcc tgcgcagcac agaccaatgc caccttcctt aaattggcag 360
gccctcaatt ggtccagatg ttcattggag acggagcaaa gcttgccgt gatgcc 416

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ttgccacagc cggttccagc tcaaccacca tcttcgaat tacctccacc ggatcctcgc 180
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gttgatgaag ccagaaaagc cctggaagag gctgaagctc ttaagaagct tacagttaga 300
cgagaacctc cagcagattc aacgaagtac accgctgttg atgtgcgcac cacagaccaa 360
20 aagttgcgct tatgtgacat atgtggagca tcttgagcgc tctatgacag tgatcg 416

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agctggacaa ggaatggcgt cagcgtcaat ttgaagttga tagcttcaga aaggagttca 180
acaagctcaa taagcaagtg gcgcagctca aaattaaaaa agaagatgag agtgagatta 240
ttcaacaaac tgagaaaaac aaacaagatt ctactgcaaa ggaggctgaa gttcgtgaag 300
cttatgctgc tttgaaagcc aagttggagc aagttggtaa tttgggtccat gattctgttc 360
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35 <213> Arabidopsis thaliana

<400> 473
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actggcctg taaccaagcc aacacgtaga aggtccagag cctcacgtag aacaccaaca 180
45 acgcttctca acaccgacac ttccaacttc cgtgccatgg ttcagcaata cactggcggg 240
ccatccgcta tggctttcgg gtccggtaat actacttctg cttttagcct cacttcacg 300
tcggatccat cagctggatc ttctcaacaa gctccttggc aatataattt ccagcctcac 360
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50 <213> Arabidopsis thaliana

<400> 474
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gtatatagag ataacaaatt aaactataag agttacttca ttcgggttgag atattaccat 180
attgccaaag attaaactcg atcgatttga ggtccgtttc gttggaggca ctacttgagc 240
60 tctctgcgct gtctcgggtg tcattgtact tcccggttga ttggtatact tcaatatctc 300

5 cccatggagt aggtgtgata tcatccgtta gatcgaacca tcttggagtg aacttttgtc 360
cctttgtctc tctggctctc ttttcggccc tttgtctctc ctcaaggctg tgttt 415

<210> 475
<211> 415
10 <212> DNA
<213> Arabidopsis thaliana

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15 caaacctcac cattagatga taagtagaag acaaaactta cagccaaata ggcaaactta 120
tctctctctc caaaacattt ggtccatacg ataaagcaag aagaagaatt aagaattaga 180
gcaagaagaa gaagaagtag aggatgaagc atgaaatgat gaacatcaag ctaagatgca 240
taaccatctt ctttcttctt tttgctttgc ttcttggaaa ttatgtagct caagcctcaa 300
gacctcgttc tatcgaaaat acggtctccc ttctctcaca agtacatctc ctgaattcaa 360
20 ggaggaggca tatgataggg tcgacagcac caacttgtac gtacaacgag tgcag 415

<210> 476
<211> 415
<212> DNA
25 <213> Arabidopsis thaliana

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<222> (1)...(415)
30 <223> n = A,T,C or G

<400> 476
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35 cattggagga tctttttact caaatcttta cccacaattt taccagttct cttgtccaca 180
agctgatgag attgttatga cgggtgctcg aaaagccata gctaaagaac caagaatggc 240
agcatcttta ctcnncttc acttccacga ctgcttcggt cagggctgtg atgcatcaat 300
cttgttggat gatagtgc aaatannnag tgaaaagaat gctggaccaa acaagaactc 360
40 cgtttagaggg tttcaagtaa tcgacgagat caaagccaaa cttgagcaag cttgt 415

<210> 477
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<212> DNA
<213> Arabidopsis thaliana

45 <400> 477
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atcctgctcc gaatctagaa tgcgtatgt acgaatcgag ataccctgat gtagacatgg 180
50 cggatgatgat tcaggtgaag accatcgctg acatgggagc ttacgtatct ctccttgaat 240
acaacaacat cgaaggatg atcctgttct ccgagctctc tcgccgtcgg attcgtagta 300
tcagtagctt aatcaaggct ggtcgtaccg agcctgttat ggtccttcgt gtcgatagag 360
agagagggtta cattgatctc agtaaacgta gggtagtgta tgaggacaaa gaggc 415

55 <210> 478
<211> 415
<212> DNA
<213> Arabidopsis thaliana

60 <400> 478

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	gctgaaatcc	tcaattccat	ggcagtcact	aatgaacatt	tccacactgc	tctcgggaac	180
	agcaacccat	ctgcacttcg	tgaaactggt	gtggagggtc	ccaacgtctc	ttggaatgat	240
	attggagggtc	ttgagaatgt	caagagagag	ctccaggaga	ctgttcaata	cccagtcgag	300
10	cacccagaga	agtttgagaa	attcgggatg	tctccatcaa	agggagtcct	tttctacggg	360
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<210> 479

<211> 415

15 <212> DNA

<213> Arabidopsis thaliana

<400> 479

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	ctctcctccg	tccagctctc	gctttcccca	attcttctcc	tgcagctttc	ctggaaacga	180
	cttcttcagt	ccccaaagta	ggaccgatct	cactcgggaat	caacatagtc	aaatcggaag	240
	gcgcgcgcgc	gttattctca	ggagtctccg	ctacacttct	ccgtcagacg	ttatattcca	300
	ccaccaggat	gggtctatac	gaagtgccta	agaacaaatg	gactgatcct	gagtcaggga	360
25	agttgaatct	gagtaggaag	atcgggtgcag	ggctagtcgc	tggtggaatc	ggagc	415

<210> 480

<211> 415

<212> DNA

30 <213> Arabidopsis thaliana

<400> 480

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35	caaggctcgac	caccatttgc	caaagtgtgtg	aacatggccg	gtgaaatgcc	agaaactggc	180
	attaaagact	gtaatagtaa	tgcttcgtcg	cttttggtca	taattatgat	caagtgtcgt	240
	gtaactttgt	atgtttctcg	tattagaata	aacgggtcca	ataaattgga	ttagattggc	300
	cattattatt	gatttgccaa	tgacccaaaa	gtgaaaacat	gagaggtgag	ttatatataa	360
	gttcttataa	aataattgta	aaacttctgt	aagttttttt	ctaattcttt	gtcca	415

<210> 481

<211> 415

<212> DNA

<213> Arabidopsis thaliana

45

<400> 481

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	ttgattttgc	atttgcgat	gctgacaaat	caagctacgt	caacttccat	gagaggcttc	180
50	taaaattggg	gaagggtggg	ggaatcattg	cgttcgacaa	caccttgtgg	tttggttttg	240
	tggcggaggga	tgaagatgga	gttccggagc	atatgagaga	atatagagca	gctcttatag	300
	aattcaataa	gaaattggct	ttggatcccc	gagtcgaggt	ctctcagatt	tccattggag	360
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55 <210> 482

<211> 415

<212> DNA

<213> Arabidopsis thaliana

60 <400> 482

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 agataagaaa aagaagccca gaggtcgtgc tcacaagcgt ctgcagcaca accgtcgttt 180
 tgtcacccgca gttgtttggtt tcggaaagaa gagaggaccc aactcttctg agaaatagaa 240
 gaagtttagag agaaagatgt tgtcgtgaaa cttctcaagg tcatttgtaa ctttttgttt 300
 10 tcttttggcac cgaactatta tgttttgatt ctatgctatg aaatactgtt ttttcactta 360
 tgattttggt caattaaaca taagatatga tttttgccaa aaaaaaaaaa aaaaa 415

<210> 483

<211> 415

15 <212> DNA

<213> Arabidopsis thaliana

<400> 483

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 20 caaccatga gagaaatata aatgagccaa gtaaataaaa ttgaagaaga gaaacaaaaa 120
 aacacactct tcaaaccaac aacaaattga ctgaccacaa taaaaccaa ctagaacaag 180
 tcgaacttct tcttaagcag atcttgcttc caacgtggta agttgttgaa tgcttctttc 240
 tcgatcccaa acacactttg gaactcttcc tcagatagat aagcctctct gcgtttgaaa 300
 tcgattccag tcactgggtt ctcagattta gctctcagct gttcataggt gaaagttgct 360
 25 ccacttggtt gtatttcaga atcaccttgc tcttctgttt cctgctttgc ttctg 415

<210> 484

<211> 415

<212> DNA

30 <213> Arabidopsis thaliana

<400> 484

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 35 ttacaaacta caaagagaga gagagaatgg taataagaga agaaaaacag tacaagagaa 180
 tcatcatctt gacaaatctt caaatatcta aatcctccaa ctgaatgttg ctcttaagag 240
 gcacataatc tccaagatac ccaccaagtt gatcatacaa agcggctcta tcaatagtct 300
 gatgatgata actcttacaa acatagtaaa acacactctg aaccaacaaa cccacaagat 360
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<210> 485

<211> 415

<212> DNA

<213> Arabidopsis thaliana

45

<400> 485

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 aaggttcatg tcttcatgag atacaacaag caaaccaaac taagatagga gttaccatca 120
 aagattcttc atggatctga aaagccataa cggatcaaat gattgcaaaa agaagacgat 180
 50 cctacagatt atttggtgag acaagaaagg cgtaaccgg gaaaagtgtt gttcaagcgt 240
 tgatggcatc tgattcttta gaccttatga tcttggcttg tagtttctgc ataaaagctg 300
 gattggcacg gagtctttgt tttacatatg aagttcttat gtcttcagcg atcttgttgg 360
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55 <210> 486

<211> 415

<212> DNA

<213> Arabidopsis thaliana

60 <400> 486

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 tggccgacgc attatatgat gtatttttgcg acaaagaagg cggacttgca aaggcatgtt 180
 tcgcatactt agcaaaaggc ggcttccttta gccgaggccc tgtgcagcta ctgagcggtg 240
 taagcaggtc acaaacctta ttgctcttcc atttcttcag cgttgcaactg tatgctgtgt 300
 10 actacatgct gtccccattc ccaactccat cacgcatata cacatgcgtc atgtcatttc 360
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<210> 487

<211> 415

15 <212> DNA

<213> Arabidopsis thaliana

<400> 487

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 cctaaagcca aaatcaaaaa tacaagtagt ctgtgtgtaa actcttatta tttagaaaagc 180
 aacaaaagat aactagagag ttccagccct ctcttcaaaa actgataaagg ctctcaattc 240
 ttctactcca ctacttcaat cagggtgggc tcatagtcag agggagccac aaatccatgg 300
 aggttcacat ctggtgcagc tacatttgca agcccgggtg tttccagatc tttacggaat 360
 25 ctactcctt gagccaaacc aggacctcca atagcaattg gcactggcct gagtg 415

<210> 488

<211> 415

<212> DNA

30 <213> Arabidopsis thaliana

<400> 488

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 35 atcaagaacg gttttgggtt aaccgggttt gaaaatgtac atgtggcttt ggaattacct 180
 ggtgcttgag tttccaagag tgagttcaag atcatctgaa ccactctcct cgtgtatcct 240
 ctctccttcc catgctttca ctagcccgtt tgtattactc ccaaaagcaa actctggagg 300
 agccacggct tcagacattg gaacatctgc tgtctgggtc gcaccaggag gaatagcagg 360
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<210> 489

<211> 415

<212> DNA

<213> Arabidopsis thaliana

45

<400> 489

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 ctcatcacg atggtggtga cgtgctctg actctgaatc tgactcggtc cagccctcat 180
 50 cctgcccc tgtccaactc gccacaacca ccgctggcct cacctcttcc tcttccatcc 240
 tctcttctct ctcctcctc tccctccacg gatgacgtcg catgccgtaa taggactgtg 300
 tggagtagga ctgagtggag caggaagaag gcttagcatg gaaatgctcg atttctgcac 360
 ggagacgagc gagggcgctc agtgaggagg aggaggagga ggaggaggag gagga 415

55 <210> 490

<211> 415

<212> DNA

<213> Arabidopsis thaliana

60 <400> 490

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 aagtgcagaa gcagctctta agtacaatgt tgctatcaaa tgtgccacta taactcctga 180
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 cagaaacatt ctagatggaa ccgtattccg tgaacctatt atgtgcagca atatcccccg 300
 10 gcttgttctt ggttgggaaa agcctatatg cattggtaga catgcctttg gtgaccagta 360
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<211> 415

15 <212> DNA

<213> Arabidopsis thaliana

<400> 491

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 tgagccggag ccagttttcg tctccgtcaa gacttttgcg ccagccaccg tcgctaattt 180
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 aacaaaatc agcacaatc ctctccggaa ctgcgcggga atcgctgcta ttgtacaat 360
 25 gaagatgtta gggatcagat cggttgggtt atcattagat ttgcataaag gtctt 415

<210> 492

<211> 415

<212> DNA

30 <213> Arabidopsis thaliana

<400> 492

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 35 atgggttttc cgatcttaaa atccgtactc acttgaaacg actcaacaag ccagctctca 180
 aatcgattaa gagccagat ggagatatga ttgactgtgt tccaatcact gaccaaccag 240
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 aaagtgtatt tagtgagagt aaagtttcat caaaaaccaa gaatcagcag tctaattgcta 360
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<210> 493

<211> 415

<212> DNA

<213> Arabidopsis thaliana

45

<400> 493

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 acaaccaaac cggtctcttc aaagactcaa tctatcacia acctaacaac cttcacctcc 180
 50 gtctctacaa acccatttcc gcctccaacc gtaccgctct ccctgtcgtg gtcttcttcc 240
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 ctcttgcacg gtcccttaac gcccttgtcg tctcacctga ctaccgggta gcaccggaac 360
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55 <210> 494

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60 <400> 494

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	cacgagtcaa	ctcgttaccg	agttgtcaat	tggctgatga	gcagcttatt	gagtataaga	180
	ctgattcaat	tggttcgtct	tcgatgcctc	aatctggttt	tgcagcgagt	ttgaaatcta	240
	ctcttgagaa	acatggagtt	ttgcagaaga	ttttgcttgt	tcttgctttg	attgggactt	300
20	gtatggttat	tgggtgatgg	gttctcacgc	ctgctatttc	agttttttct	gcagtatctg	360
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 25 <212> DNA
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<400> 503

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	tacagtactc	gaggttcatt	gttaagctgc	agttttaagc	tcttaagctg	cagccaccct	180
	tggccttcg	tagctagctg	ggccactgct	gtgagtcaaa	gtggtctcga	gcgtgttgaa	240
	cttgaccctc	cttgcttctt	cgggtgagat	ttggaacca	ttggttatga	cttcaagtgg	300
	taaacctctc	aagactgagg	ttcgtcccgc	gagagtgttg	atttgcgctg	ttgcgtttgt	360
35	tttgaactca	accactgga	atcggttgct	tgttgcgctg	ttcaccaccg	agaa	414

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 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 504

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45	gaaggataaa	acactcagct	caggggctcg	aatccgtttt	atcctatgtt	acaacagaga	180
	ttcacacagt	tcgcaatctg	tctagaggag	ctatgtagat	gggtcatagt	attagggaga	240
	ttaaagctaa	ataaaaggcg	aagggcaata	agaagtaacc	tggagagatg	tttttagagc	300
	ctttattgtc	cattagcatt	gttcttcttg	agttcctcgt	tctcctgacg	cagcgcatcg	360
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60

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tacagtttcg gcggcgagtt aacaccaaac aaacacatcg acaaagacct ntacgtcttt 180
gacttcaaca ctcaaacttg gtcaatcgct caacccaaag gagacgcccc aactgtatcc 240
10 tgnnttaggcg tgcgcgatggg ggcggtggga actaagatct atatctttgg aggcgcgat 300
gagaaccgca acttcgaaaa ctttcgctcc tacgatacgg tgacatccga gtggacattc 360
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15 <211> 414
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<213> Arabidopsis thaliana

<400> 506
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ttcagaaaaac actccgttta atggcggttc ctcattccacc attgttcgag ctaccattgt 120
ccaagcctcc accgtctaca acgatactcc cgccactcta gaaaaggcga acaagtttat 180
tgtggagggt gcaagcaagg gatcggagct ggttggtggtc ccggaggcgt ttatcggtagg 240
ttatcctcga ggttttaggt ttggtttagg ggtcggagtt cataacgaag aagggcgtga 300
25 tgagttccgc aagtaccatg cttctgctat taaagttcct ggccctgaag tagaaaagtt 360
ggcggagttg gccgggaaga acaatgtgta cttggtaatg ggagcgatag agaa 414

<210> 507
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30 <212> DNA
<213> Arabidopsis thaliana

<400> 507
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agtatcaaac gataacataa atgtgtaaat atctatgcac actcgaaagt taacagagag 180
aagaacaaaa ccaaagtact gataattcca gacacaagaa ctacgtcttt tgagttaagc 240
tgatggagtg tggtctgac tgttgatcaa tccgtacttc tctctgattc gggacctcca 300
gttgctcaata ttgcttgatc cagaagatgt ctggtttgcc tgtggaccaa gaagattgtc 360
40 tctgtctcta ctcactcgat tctcaaaatc atcttcatca tcaagctctg attg 414

<210> 508
<211> 414
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45 <213> Arabidopsis thaliana

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50 <223> n = A,T,C or G

<400> 508
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55 catcatgtac aatgctaaaa gtaatgattg aggatcttaa caaaagaaat tgaattttct 180
aacaaatcta gacaattgaa gcaagtgggt ttagtgagac ctagactca accaatgggg 240
ttgtcttggt tctagaatca tcttaactac atcttctaca aatgaatcaa aacaagaata 300
gcaacaccct ttcacaggc tactaccact actgctactg ctgctgctgc cagggtgtcat 360
atgatgggtga gtacacgtca ctgggtggcg aacaagatgg acttcaactg tctc 414

60

[illegible]

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20    <210> 510
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      <212> DNA
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35      <210> 511
      <211> 414
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    <210> 512
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50  <213> Arabidopsis thaliana

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60

5 <210> 513
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10 <400> 513
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 ggcgccctgc aatttggcga gaagtccatc ggtcaggctc atctgcggaa tccttgattg 360
 gggttgggcg tgcagaaggt acgacgcgga ccgttaaaac ggcgacgccg cct 413

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 <212> DNA
 <213> Arabidopsis thaliana

35

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 actcttctcc ttggtccgat gatctcaaaa acagtggcgt tcgctgcatt caaggatgatg 180
 tgactaagaa acaagatgtg gataacgctt tagatggagc agactgtgtt ttgcatcttg 240
 cttcttatgg tatgtctggg aaggagatgc ttcggttttg tcgttgatgat gaggttaaca 300
 40 tcaacgggac ttgtaatgtc ttggaagctg cgtttaaaaca tgagattaca agaattgtgt 360
 atgttagcac ttacaatggt gtgtttgggt gtaaagagat tctcaatggt aat 413

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 <212> DNA
 <213> Arabidopsis thaliana

50

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 tccttctttg agctctcgaa atgtttcttg gtttgttcaa ccgcgctaac aagaacatcg 180
 atctcatgtc tcgcctcgtc aagcatattc tcgtacttct cgtttgtggc tttaatcacc 240
 aacttcaagt catctatttg tgtttcatac tcgtgatcgc cttgactcaa caacttctct 300
 ttcaactccc ttccttcact cgacacttcg tgcaaagctg aagccaaact ctccattgct 360
 55 ttcttactct tctcctcttc ctcttttgag ctctctaaat ctgataagag ctt 413

60

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 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

5

<400> 544

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gacactctcc	tcaccacac	cttgctccga	ttcaactcct	ctcggcgcgc	tcgttctcgg	180
10 attatacggc	cgtcacgttc	ccataaccgt	ctcaactttc	aaacgtatgt	gtacttcatc	240
ttccacatct	tacaaaaaca	cacctgtcca	caaaatcttc	cctggtcagt	attttctcgc	300
cggaagacaa	ggaggaggac	ggcgagatac	ggcgagggtt	ggttattcac	tcagagactt	360
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15

<210> 545

<211> 413

<212> DNA

<213> Arabidopsis thaliana

20

<400> 545

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gcagagtaaa	agagaaaagc	agcaagtttc	agtttggtatc	attctccagg	caagattcag	120
tttcagtacg	atgatgagta	tccaaagccg	gctttttcttc	ccataagtga	tgaaagcatc	180
atctgtccca	caggtgtttc	cgatccatca	gaccatccat	gcttctcaag	caactgtttc	240
25 agaaagttac	caaccacata	agaaatcccc	gacaccgata	cagcaattga	cccgtagtag	300
agaatgctct	tcaggtagct	gcctctcggg	tacctcacat	gagctttggc	tatggcgagc	360
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30

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<212> DNA

<213> Arabidopsis thaliana

35

<220>

<221> misc_feature

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<223> n = A,T,C or G

40

<400> 546

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aataggactc	cggcttatgg	accanggagc	aaaagagatt	ttgcagaacc	tttctgagaa	180
acaggggaaa	aaaatgaact	cagttgaatc	tgcccaaaat	attcccagct	ttctcgagtt	240
tttcaaggat	caaataaaca	tgcccggaagt	caagtatcct	ctggaccatt	ttaagacgtt	300
45 caatgaattc	ttcgtacggg	agttaaagcc	tggtgcaaga	ccaattgcgt	gcatggatca	360
ggatgatggt	gctgtatctg	ctgctgattg	tcgattaatg	gcatttcaat	cgg	413

50

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<212> DNA

<213> Arabidopsis thaliana

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<222> (1)... (413)

<223> n = A,T,C or G

60

<400> 547

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5 gagaattnnn nnacagagaa tagcagcttg gaggatcttt gtggtatggt caggetgagc 180
acgtcaaca tcaaattaat tgaggagacg agtctagaaa ctctagctgc atctataggt 240
ggattgaaat acctggaaaa acttgaaata tatgatcacg gttctgagat gaggacgaag 300
gaagcgggaa tcgtatttga tttcgttcat ctcaaaaggc tatggttgaa actgtatatg 360
cctaggettt ctacagaaca acacttcctt tctcacctta caaccttata tct 413

10 <210> 548
<211> 412
<212> DNA
<213> Arabidopsis thaliana

15 <400> 548
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aaacattaaa gacaaaatac tgtaaaataa aaaacaatct tcaaaacata gatatgctca 120
tgcatagaca gagggaaacct caaaaaaaaa attattttagc gtagtagccg ccgattcaca 180
20 gccggagggtg gccgtggctg agcttgaacc ggagtagctt gacgagggtg acctccacct 240
ccccaccat tactctccca aggcttaaca gtaaacacca caattaaaac cacaataatg 300
agcaatagca aaatggcaaa gcaagtccac ttccgtgtgt tcttctgata aaaccgtgcc 360
ttaacaagcc ggtccgcacc agaccgaaca agcaggttag ctcgtttgac gt 412

25 <210> 549
<211> 412
<212> DNA
<213> Arabidopsis thaliana

30 <400> 549
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aggaggtcca tttttttcca agcatcagct ccacttcaa tggctccaag gtttaagcaca 120
cgcccgacac tttcttttga gatgtccact aggtatggtg ttcggtatag gaatagtgtg 180
acgtcatatt cctggaaaagt gagagaggag agtgggggtc gcttgagaaa agtgggtctta 240
35 gtgttttgaa ccgacgaatg tatcatacat gccaacgatt ccacatgtt tagactcagt 300
gagtcaccca cgaacatcac tcgtttccct ctccatttct tcaaaaacgc ttccccatca 360
aaccttggga cgggtgatga atcaggctgc caagagtacc tcggccgcga cc 412

40 <210> 550
<211> 412
<212> DNA
<213> Arabidopsis thaliana

45 <220>
<221> misc_feature
<222> (1)...(412)
<223> n = A,T,C or G

50 <400> 550
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gtgatatagt cgagaaaatg gcgtcgtgga tgaaagcggg gctaactctt actggcgctg 120
tagccacggc tatgcatcta aaggttattg ttctgtggc tatggatttc tcacaaaatc 180
cgattatttt gagctctttc ctcacgtggc tgaaaccgcc gtatctttac gtcactacta 240
acgtcatcat catcgnnnnc ggagtttcct accggattac tactgtctcc agccacgtcg 300
55 acggcaaaga ctatgaggct tcttacagtg gcgacaataa gtttcagact gatcatcagc 360
agatcgtcca agaagctcct ctaaggcgac gaacggagac gaaagatgcg ga 412

60 <210> 551
<211> 412
<212> DNA

5 <213> Arabidopsis thaliana

<400> 551

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10	ctacgaaatc	aaatccgcc	caaagtattt	cgaggaaaaa	ctaatacatg	gagtaggcgg	180
	gtttggttct	gtctacaaag	gacgaataga	cggtggagcc	acacttggtg	cggttaaacc	240
	gctggaaatt	acatcgaacc	aagggtgctaa	agagttcgat	acagagctcg	agatgctttc	300
	aaagcttcga	catgtacacc	tcgtctctct	aatcggatat	tgcatgacg	acaacgagat	360
	ggtacttgtc	tatgagtata	tgccacatgg	tacacttaaa	gatcatcttt	tc	412

15

<210> 552

<211> 412

<212> DNA

<213> Arabidopsis thaliana

20

<400> 552

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	catgatcggc	caacttatga	acctcaaggc	cacggagctc	tgtctcggcc	tccccggcgg	120
	cgctgaagca	gttgagagtc	ctgccaaatc	ggcggtgggg	agcaagagag	gcttctccga	180
25	aaccgttgat	ctcatgctca	atcttcaatc	taacaaagaa	ggctccggtg	atctcaaaaa	240
	cgtttctgct	gttcccaagg	agaagactac	ccttaaagat	ccttctaagc	ctcctgctaa	300
	agcacaagtg	gtgggatggc	cacctgtgag	gaactacagg	aagaacatga	tgactcagca	360
	gaagaccagt	agtgggtgcg	aggaggctgg	cagtgagaag	gccgggaact	tt	412

30

<210> 553

<211> 412

<212> DNA

<213> Arabidopsis thaliana

35

<400> 553

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	tagtttgact	tgttagctac	aagcctagaa	tgctgtttta	agcatgaagt	agaaaacatt	120
	ttttcttatt	ggtacaatgg	ttgaggaact	ctagagcggg	aacaaagaaa	aagtagcgta	180
	acatatgcaa	aacgcacaaa	tatatatctt	gcacacggac	aagtcttttc	ttcatatcat	240
40	gtaattagac	aaatacgact	tttcatcaaa	gatgctcgca	agaaatcctg	cagtgtactc	300
	tggtatgggt	atatctttgt	acttagcagg	gttttcatca	gacaaaagat	ctttaatcgg	360
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<210> 554

45

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<400> 554

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	cggagctcct	tgtaataatg	attttcttat	tcttggcgct	tctcataatc	tcccacgctc	120
	aatcacttcc	aggtacgccg	tatggcgccc	ctgggtccgta	tccgcgtagt	taccctgtgt	180
	gttaccaccc	gtattgccgt	ccatgagagt	ttcaatttgg	tcacatgaat	gaattatagt	240
	caaataccta	tatcaagggt	atgtatgtgt	gtatattatt	atatgttttc	atcatttgat	300
55	ggagaataaa	aagcttagga	aatatatcca	tggtattata	tgtttcagtt	tgtaatatgt	360
	ataatgatat	tgctggctct	gtcccttaaa	aaaaaaaaaa	aaaaaaaaag	gg	412

<210> 555

60

<211> 412

<212> DNA

5 <213> Arabidopsis thaliana

<400> 555

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10 cggacaagta	cgccacgcat	gacgtcatca	tatctacggg	ttctgtttca	tcatggacac	180
gtcagcggag	acgatgagag	ccgttgatta	gacaagaaga	agaagggacg	gctgagatgc	240
cttgacgcgt	tagctcagcc	aaaacgctct	ccgcggaagg	cggttttagc	ccgagcggta	300
gcggcagcca	cggtttgctt	atcgcttctt	taaccacttg	atctaacatt	tcctcgcccg	360
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15

<210> 556

<211> 412

<212> DNA

<213> Arabidopsis thaliana

20

<400> 556

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gtgaagatgg	ttcagtggca	tcccaccatg	gatgttttat	tttcttgag	ttatgataac	180
25 accatcaagg	tttgggtggc	tgaagatgat	gatggtagt	atcaatgtgt	ccaaacctta	240
ggtgaatcta	acaacgggtc	ctcttcaacg	gtatgggtcca	tctcatttaa	cgctgcaggg	300
gacaagatgg	tcacttgtag	tgatgatcta	accttgaaga	tatgggggac	agatattgcc	360
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<210> 557

<211> 412

<212> DNA

<213> Arabidopsis thaliana

35

<400> 557

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cagttgatcc	ggagaagggtg	atcgcatcgg	ctgagaagca	ccaagctaag	atcaagttcg	180
tactcactac	gcatcatcac	tgggatcatg	ccggtggaaa	cgagaagatt	aagcagttgg	240
40 ttcttgatat	caaagtatat	ggaggttctc	tggataaggt	gaaggggttc	actgatgcgg	300
ttgataatgg	tgacaagctg	actttgggtc	aggatattaa	catattggct	ctccacactc	360
cttgtcacac	caagggtcac	attagttatt	atgtgaacgg	aaaagaagga	ga	412

<210> 558

45

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<220>

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<221> misc_feature

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<223> n = A,T,C or G

<400> 558

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cgttgcttca	gtttctggga	tcagctctga	atgaaaataa	cgcttcagcc	caaaaagttg	180
gagccatggc	tctctttaac	ttggctgtgg	acaacaacag	gaacaaagag	ttgatgctag	240
catcaggaat	tattcctttg	ctggaggaaa	tgctctgtaa	tccacattcc	catggttcag	300

5 tgacggcaat ttatctgaac ctctcgtgtc ttgaanaagc aaagcccgtg atagggttcga 360
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<210> 559
<211> 412
10 <212> DNA
<213> Arabidopsis thaliana

<400> 559
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ccagaaccaa gtgataaaca atttctcat ccaatgtatc ttgtggcttg ttccgttgcg 180
acattgatcg tatgtcccat gacaggacct gcgtgatcaa gctcctaaac tcatctgctg 240
aactatatag agacttcttt tctatcagtt tccagcagct ggtgatggat gaagagaagg 300
tatctgagaa agtcacagaa gccacagcca atgagcagtc ctcttttacc cagtttggca 360
20 ctgaggctcc ttgaatactg tccgagtatg gtaaatatgg tttgatgtcg ag 412

<210> 560
<211> 412
<212> DNA
25 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(412)
30 <223> n = A,T,C or G

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aaatcacaaa accaatgact ctttttctgg ttaatgcttg tgattccaat ggggtagggt 180
ttcatacaga ttagaatcag gagcaaatgg attctgcatg ctttcacggt tcacctgttc 240
cggcaagaaa tttgccgtct ccactctctg attttgtgct aaaccagcac tgggtgttgg 300
acttgaattt gctggtttca aaatgtgggt agagtgtggc ggaatactag aggangcact 360
40 cgggtgtgtg ctgaatggta tgcccatggt tggctcttgac caatgcaaag gg 412

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<212> DNA
<213> Arabidopsis thaliana

45 <400> 561
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agaaaagagt catcatgaca tttttaacaa tgaacaaact aaaaagagtc atcatgatat 180
50 ttttaacaag aacaaactac aagtcttata gaagttttct tcggtatttg aagcagtttt 240
tgcaggtcag agcatgcaat cagttcttgc aggaagcctt ctgaagaaat tgagaggaaac 300
ggatggtagt ttgtatctga acctcggatg tctcagagca tagattccaa tacaaagagc 360
cacaacctgg aaagggtgtca catagagaat gactgcggca atcaagcaga ac 412

55 <210> 562
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<212> DNA
<213> Arabidopsis thaliana

60 <400> 562

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gttactaaga cccttaaggt tgtaaattct ggctctgaat cagtttctga gtttgctttg 180
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aaggggaaat ctaaacgaac tttagtgaat ctctctgtga gagaagctga tcagaaaggt 300
10 ttacctgatt caattagtgt ttactcagtt gcattaccca aaccactgag taaaggcgat 360
actttgacgc tggaggtagt tgctgcattc accaatgtac ttcagccatt tc 412

<210> 563
<211> 412
<212> DNA
15 <213> Arabidopsis thaliana

<400> 563
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20 taatttagat aactaaaaat gaagagtaga ttctcaaatt ataaactttt ttatacagac 120
aaaaaaaaaa agttgaatat ctccgaagag attcagatta atcgacataa tatgcttctc 180
tgcattgttc ttagctcatg agagatctca agcaccaatt gttgctgaat cttttccaca 240
atatcagaca caacaccttc agattcacca ccaaaatcca accaaagaca tggctttatt 300
agatcagttt caatgatctg atccaatgat ctgttaggag agtcagagca gagtaaactc 360
25 cagtcaaaat gtctcatcgt ctctgtaatc agatcatctt ctctaaggga tg 412

<210> 564
<211> 412
<212> DNA
30 <213> Arabidopsis thaliana

<400> 564
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35 aaaatcattc caatctccaa acacaagccc aactcgttc cctttcccga cctgttccac 180
gtcttggttc tcccgtttca gcgacgcaca cgagccttcg aagaccactt ctccgcttcg 240
taacagcctc atgagtcgcg ttctacatac ccgaccatcc atcactttgc aacctgcgat 300
gtttactcca tcttcttcgg ttcttctctt tcctaagatc ttgaatatgc taagtacctc 360
40 ggcttcacca gacacctcca tctccgaaac tcctggtgct ttttctacga tc 412

<210> 565
<211> 412
<212> DNA
45 <213> Arabidopsis thaliana

<400> 565
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ttttcttctc ttttacctct tttagtga cccaatctgg tgattttttg tctgaagaat 180
50 cagaaccaga gttagtaagg ttcttgtaac tcactttcac gtctccttcg ttatcgtctt 240
cttcttctag atcactgaat gatacatctt ctctgtcttc accaaaagga tgatttgtgg 300
ttgatcttcc tccaatggcg ctaactgatg aagtctcttc atcattcaac caatcatctg 360
catcgtcgtc gtcttcatca tccacttgca cattaataaa tctagatgaa ga 412

55 <210> 566
<211> 412
<212> DNA
<213> Arabidopsis thaliana

60 <220>

5 <221> misc_feature
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 <223> n = A,T,C or G

<400> 566

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 aaagcccttt gatcgatcga agccatcatc agcctctgct aatgcccctc ctactcttag 180
 gcctgcttct actcgagttc cttctcagag aattacacct cacagtgttc cttctccaag 240
 accaagtcca ccaagaggtg cctccccaca agccatctct tcaaagnngc cttctccaag 300
 15 agcagagcca ccaacattgg aactccaag acctccctct ccaagagctg cttctctaag 360
 agcagaccca ccaagattgg atgctgcacg acccaccacg cctaggcctc ct 412

<210> 567
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature

25 <222> (1)...(412)
 <223> n = A,T,C or G

<400> 567

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 tcaagatttt gatccctcaa acaagcttgg agagggagga tttggccctg tttataaggg 180
 aaaactcaat gatggaagag aggtagcagt gaagctattg tcggtgggat cccgacaagg 240
 gaaggggacaa tttgttgcag aaattgtagc aatttctgca gtccaacatc gcaacttagt 300
 aaaactttat ggggtctgct atgaaggaga gcatcgtttg cntgtatatg aataccttcc 360
 35 taacggaagt cttgatcagg ctctatttgg ggaaaagact ttgcatcttg at 412

<210> 568
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

40 <400> 568

45 cttttttttt tttttttttt tttttttttt ttcgacttca ctttattatt cgatacga 60
 ttcttaacca gacgacatta atgaaaaacc ctcataaact agtagtgtct tcaacatgag 120
 agattgggtc caggagtgac cccaagcttc ttgcagaagt ccaagtaatg gttaaccctg 180
 ctctgcactg cagctggacg cccaccatta cattcaccac cgttgatcct ctcgtgggtt 240
 gcaccaaaacc cttggctcaa aaccggacgc acattcttgt tccaaaacca catggcacac 300
 tggaaagcca cagttgggct acgagccacc atatctgggt cttcaagag aggaagtcca 360
 aggaactttc cggctgcacc atagttgtag ttccatgtga tttggatcgg a 411

50 <210> 569
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 <213> Arabidopsis thaliana

55 <400> 569

60 tttttttttt tatggattca cccacacaaa cccataataa tcaacaattc aaataaacat 60
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 aacaaagagt ttccactca gaggttatta taatcgtcaa atacttatcc acatccaaac 180
 ataggaacct gaaatttcac tcaaaacact actagaacag agacaaccaa tgcaagagag 240

5 agaatgggtta agagacccct acataaaatt ttaacttttg aaagctacct gcaagatcgc 300
 tgatgaaagg gaaatctttt ttggtcacac atactcattg acacgaaagg cgggtgacttc 360
 gagaacgaaa tcccagattc tgagtagctc aaacacacat acatctcctt c 411

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 10 <211> 411
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 15 <221> misc_feature
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 <223> n = A,T,C or G

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 aaatccaatc catcaaggca caaaagggttc aactgcagca cagaatgaaa caagaagcag 180
 aacagtttcg acagtggaaa gcctcccagag agaaggaact ttgacagtta cggaaaagaag 240
 ggagaaagag cgagtatgaa aggcataagc tgcaagcttt aaatcagcgc cagaaaatgg 300
 25 ttcttcagag gaagacagaa gaggctgcaa tggctaccaa aaggttgaaa gagttgnnng 360
 aagctcgaaa atcatctcct cgtgaacact cagcttgtag ctccggccgcg a 411

<210> 571
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 30 <212> DNA
 <213> Arabidopsis thaliana

<400> 571
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 tctcttttgg cacagcttct tctgctttcc agtatgaagg tgccttctta accgatggaa 180
 aaggtctgaa caattgggat gtctttgccc atgaaaaccc tgggaaaata gttgatggaa 240
 gcaatggaga catagctacg gaccaatatc atcgatatat ggaagatatc caatcaatga 300
 attttcttgg agtcaatagt tacagattat ctatttctct gtctagagtc ttacctaatg 360
 40 gaagatttgg agttattaat tataagggaa taaagtattc caccaatttg a 411

<210> 572
 <211> 411
 <212> DNA
 45 <213> Arabidopsis thaliana

<400> 572
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 tactccggcc gtaactggtc aagcgaaatc taagggtggg ggaaaggcta atcctggaca 120
 50 caagaatcca tctggccgtc attcaaaacc aggtccgagg agcaaccaga atggtcctcc 180
 tctctctctt tatctcgtgc atgctgtacc gtatcatcca cctccttttc cactatgggt 240
 gcctctgcca catgctgctg gtccagattt tccatatgca ccttatcttc cctacccggg 300
 tctgtgcct cctgttactg agtctggcaa tgagaagcaa gttcaagctt cccctcttcc 360
 acctgtgttg ccagctcctc aaggggatcc tggaaagcct tggccgcac a 411

55 <210> 573
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 <212> DNA
 <213> Arabidopsis thaliana

60

5 <400> 573
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agcgtagaaa aggatcttag attttagca gcaacaaaaa aatgtcaatg ccactacaac 180
gtggcatctc tggagtacga gtttctgata gcagtgatga tttgagagac tctcaaataga 240
10 aagacaaaaac tgaaagagct cgttctactg agaacaacaa cttaacctta aggtttcctt 300
ttggtttcct ctttagtaat caatcttctt ccaaacacgg tgggtggtggc gaaaacgggt 360
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15 <211> 411
<212> DNA
<213> Arabidopsis thaliana

<400> 574
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ttacaaggca aagtaccaa cacaaactct ctggaatcac tgcacaaaaa tatcctactt 180
atgttgtctt cttttctctc aaatctcaaa atgaaccttc cgtttgttcc gtttggtcgcg 240
tctctgatat agaatcagag atttctgaat ctgctccttg agatcttctc agcttagaaa 300
25 caagaaccca catattagca agctcattct ccagatatgc ttctctctgt tttgtttctt 360
ctaatactct ttcaagctca gcttctcttt gttctttttc accaagtgca g 411

<210> 575
<211> 411
30 <212> DNA
<213> Arabidopsis thaliana

<400> 575
35 tttgtagcta tagaagaac tatggaatct tatactctaa ttaagcccaa tggcaagaga 60
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acacctcatt tttgtactca agaaatcagc agctatgaga tccactaaag ccatgtacac 180
aagaattccg gctgagagcg agtccaagat accttcagtg accaatgctc cgacactgtg 240
agaattgaaa gacgacgcca ctgcggttcc aatcccgatc cctatcgggg ttgtgagggc 300
gaaaaaacaa gccattatgg tcgctgattt gttcctgaat tgcgcttggg agatgcatcc 360
40 accgagcgca aatccttcaa agaattgatg gaaggatagt gctgcgatta g 411

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45 <213> Arabidopsis thaliana

<400> 576
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actccatata taatcgatc gaagacggga agtactaccg aacaaacaag agaggtttaa 120
50 aagaacgaaa cacaaaagag aaaaaatcaa cataagttgt cttcaaataa cttggactct 180
cagataggtg atgatgataa tcaaaagcac aacgacgggt gaagggtgtg atgagggctc 240
gtaacttaga tgcgccataa cagaatcttt cagcttaacc ggcgattttc ctagagtagg 300
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tcacgcgcgg ttgtgtgtgc ctttgacttt gattccatct tcctccaatt g 411

55 <210> 577
<211> 411
<212> DNA
<213> Arabidopsis thaliana

60

5 <400> 577
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 tatacacacg agaggataca caggagaggt tatagttatt agagaaggga tcgttggtgt 180
 gtgaagatgt aaacctcgtc gtaaccaatc cctgcgtatc cacagtaagt aggcttatag 240
 10 ttgtaaata gaattgctcag cactttctta gactctggtc tgttcagtga cttcctagct 300
 tcaactgacta gatgatttgc ggcgtgctga ctcacctgga tcgcgtcctc agagtgtgga 360
 attttagatg atccccactc gaatgcattt ttctcaggat gccactggaa g 411

<210> 578
 15 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

<400> 578
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 atatgcttga ttatacaatc ttggtattag cttctaaatt ttaattttta tttttttgta 120
 gaagctaaga ggaagaactt ggattctttg taattggaag ctttccatca tatgtgctct 180
 tcagtacatc tggtttcttc acaaccgag gtcctactgg aaccttccga ttctttggcc 240
 taatatcctg atcaaagatg gctgtaggta ttgctagtgt agcaacggca ttcggagaat 300
 25 caactatccc agatagtctt ctttcacatg gacaacatga gagtaagagg tacacctgtt 360
 cttttgagta accaaatttg aaaagatagt ctatggcggt gagaactgcc c 411

<210> 579
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 30 <212> DNA
 <213> Arabidopsis thaliana

<400> 579
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 gaggatgaaa atgttaaagc gaagatgagt tttcacttcc agagtcttc catggggatt 180
 ccacgctctt gtgcaacatc gcggaactgt ctcactctgt gtactgctgc aagagtggct 240
 ctgcgattgt tgagagcatt gttgcttcca agctgtttcc ccaatgcatt ctcgactcct 300
 gccatctcta gcacaatcct aaccgctcct ccagcaatca caccagtacc tgggtgaagca 360
 40 ggtctaagca tcaccttggc tgctccataa tcacctctg atctgtgagg g 411

<210> 580
 <211> 411
 <212> DNA
 45 <213> Arabidopsis thaliana

<400> 580
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 50 aaacatctac tggataattt gttctccata aaaaaaaagt caaacatttc taattacaat 180
 ttatacgctc gtccattttt ctcaaaatga ctaaattgac cctactcggc gatcgtgctc 240
 aaattagccg tgaatcgctt cttcccttta ccgcaacctc ttccgccacc accgtttgtc 300
 ttaactccgg caatgttttt cttttggtta gttttttccg atgtcgttac atcgtcgtcg 360
 ccggaaaccc aaccgacgcc accgctcttg gtcaacgccg aactagcttt c 411

55 <210> 581
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 <212> DNA
 <213> Arabidopsis thaliana

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5 <220>
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 <222> (1)...(411)
 <223> n = A,T,C or G

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 gtttgtaaac tgcacctcag atttcacatc ccaaaaacta ttctctctct ttgctctatc 180
 ttctcttctt cagctactaa ttgctctgtt taccgttact gccatcgcat tccccttcac 240
 15 caaatccgtt acgagcttct tctttcgctt tcaaactctaa ttttccttct gttccgttgc 300
 tgttgtcagc cagttcttga tttgaaccgg gtgggaggaa cacaccagtg cctgnnntgg 360
 gcattcgagg ttgtggtgct gtctgggtgc gtggatgagg tggcagcagt g 411

<210> 582
 20 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

<400> 582
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 gttatattat gcttggacag tgccatgatg ggcatctgtg agatgaaaag ctgctgctca 180
 tggcttcttt tgatctcgtt gctttgctca ctatctaag aaagtcaagc gattagtcct 240
 gacggcgagg cgcttctgag cttcagaaat gcagttacta gatcagatag tttcatccat 300
 30 cagtggagac cggaagatcc agatccatgt aactggaacg gagtgcacatg tgatgcaaaa 360
 acgaaaagag ttataacctt gaatcttact tatcacaaaa taatgggacc t 411

<210> 583
 <211> 410
 35 <212> DNA
 <213> Arabidopsis thaliana

<400> 583
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 aaagggttcca taggttctct acagtgtcag aacttataag gtcctatgcc aaatcaaact 120
 gcaaataaag caccttacca ctgtgaaata ccttttaaca ttgtgacaca aaaattacaa 180
 acctaacat caaacatcat tcagtacttg ctatacttac aaagttaggg ttcttataact 240
 tacctaaacc ctaatccccg gagggttggt gaaccaatca cgattcttgg tagttcctaa 300
 ggtcaaata cttgtactt gagcaactcc tctcggtgtc tctgtaaaact ccaaccagag 360
 45 cctccgcctt gtcatagaag ctgtccttga gagatattac aatgctttgg 410

<210> 584
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 <212> DNA
 50 <213> Arabidopsis thaliana

<220>
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 55 <223> n = A,T,C or G

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 aaagtatatc tatcacacaa ctcacaaaag agataggtac aacataatg acaaatcaca 120
 60 atcagcacac cattacatta aaagtcaaat ttacctttt aataagaaga tacaaaaata 180

5 tataaagaga agaccaagac aatttgactt gagtgattag gaggcattgt tggcctgnnn 240
 taatccattt cgaatctgcg ttgccacgtc agcgacggcg cctggaccgt gagggataaa 300
 caccgccgan gctttagaag ttgctccgat atctctcatt gtgtcaaagt actgagtcac 360
 catcaccatg tccaacacat ccttcgctga cgtccctggc acgtttcctg 410

10 <210> 585
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 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 585
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 agtcccaaga acatgtttat agctatctgt tttctattta ttctctttgg tctctataca 120
 aaacatggaa ctgttctggg acttctttgt aaaacctact atctatattc aaaaatatta 180
 caaaaaatta ccaaaaaacg gttccatctt ccagaaaaca aaaacaaaga agaggaaaga 240
 20 tccgaacacc aaaatcttga cgaatctttt aacgaaacag atcagatgag agttgtagat 300
 tctgataaac ccgttgctgc cttaggtact ttcttctcca gcattgaggt tcctttgaat 360
 attgtaagct gcacttcctt ttggtactcc tgcaattgct ggtcagacat 410

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 25 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

 <400> 586
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 ccgaacagct agggagaatt taagagcagc taagaaggaa ttcaacaaaa ctgaggatga 120
 tttgaagtct cttcaaagcg ttggccagat tattggagaa gtactacgtc ctcttgataa 180
 cgagcgattg attgttaagg caagtagtgg ccctcgttat gtggtgggtt gtcgtagcaa 240
 ggtggacaag gaaaagctta cttctggaac tcgagttgtc ctggatatga ctacgctgac 300
 35 aattatgcga gcccttcttc gtgaagttga tcctgtttgt tataacatgt tgcatagaaga 360
 tccaggcaac attagttact cagctgtggg tggtttaggt gatcagatca 410

 <210> 587
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 40 <212> DNA
 <213> Arabidopsis thaliana

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 45 cccaccgggt catcgtttctg acccggtatc tatactaatt gaggcgtatt ttgaccgggt 60
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 tcgcgttgcc cttctcctcc atctccttcc tttatcctac catgacaatg cctatgtagc 180
 atcacgggcc ttacacattg tgaataccgt acacgccaat gctaccttca gtttgctgga 240
 agggttcttc aagcatcagt cattgtttta caacgcgcaa acacaactcc tttcaagacc 300
 tgcagttgtg gagaaaatag tcgaacttgg aacagctctg ttggggaaact catatcaatc 360
 50 ggttcttaaa tccggcttca gcgacaaaaa atcggatcgt gcaaccagag 410

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 <212> DNA
 55 <213> Arabidopsis thaliana

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 60 <223> n = A,T,C or G

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attccgtcca	ccaccatcac	caatccctcc	aaagtccga	tcactcgaca	ccgccggaaa	180
aatcgaagtc	ctcgtctgatc	gtctcgggtct	ctgggttcgaa	tacgctccac	tcattttcctc	240
cttatacact	gaaggattca	ctcctccatc	aatcgaagaa	ctcaccggaa	tctccggtnt	300
cgaacagAAC	agtctcatcg	tcggcgcgca	agttcgagac	tcttttagttc	aatccggtgc	360
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15

<210> 589

<211> 410

<212> DNA

<213> Arabidopsis thaliana

20

<400> 589

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caatagtcca	acagactaaa	ttgttagaac	aaagagagtc	gtgacaaaac	tatactcatt	180
gatgcttctt	gattgatgat	gaagcacttg	tccatgcttt	tatgagcttg	gggaaatcaa	240
actgcgagca	ctataataac	aatcatgagc	acgataccaa	aaatcaccaa	gagcaagcac	300
gtcagagaag	aattttgatct	ttgtgtcttt	gatgccttac	gagatgggat	tttcccttggg	360
cagttgcagc	gtaagagtta	tcgatgtgag	taccaatata	atctatcatg		410

30

<210> 590

<211> 410

<212> DNA

<213> Arabidopsis thaliana

35

<400> 590

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ctcaccgatg	ttactcctct	tcaactaatg	actgagggaag	ctacggatgg	tgagtcatgt	180
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ttggcgattg	ttgaagtctt	gcacaaaaga	ttggcgaagt	tcgataagag	aaactggagg	300
atggcttata	actcactaat	agttgttgag	catttactca	ctcatggacc	agagagtgtt	360
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<210> 591

<211> 410

<212> DNA

<213> Arabidopsis thaliana

50

<400> 591

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tactcgtccg	tggaaaaata	ttgccacgct	gcagcagctc	ctgcaactaa	tatgattttt	180
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tttcttgctt	ggcttttgag	aaacctttct	tcttcaccaa	ttcgtctacg	tagaacattt	360
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<211> 410

<212> DNA

<213> Arabidopsis thaliana

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 <223> n = A,T,C or G

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 15 tgttggttct agaagctgct gatcatcttg ataaatttgg aaacaaaaaa gctcgaggaa 240
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 tacaagttca tggagcagcc ggtgtatcct cggacacagt tttagcgcat ttgtgggnta 360
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25
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 tttctctaata gtttttgggtg aaacagagac acaaattcca gctcaagtgt aataagatac 180
 atgccaggta ggttttagtgt ctaaagacga agccgttcga atggctgatg atgctgaact 240
 30 tgatctgcgt gctacaatca aagtgaacgg tgaatacgca tacggatacg ccaaagcaga 300
 agttggagta cataggctgg tgcgtatatc cccgtttgac agtggaaaac ggagacacac 360
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 attaacaata ttctgcaagc catcttagta tgttttaata ggccttaaaa acacgtatag 180
 cataagtatg tttaatagag aagaagaaaa cacaatttgt aaaagacaat gttatatag 240
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 45 tcttctgggt ttaaagaacc tttctctgat tgagatcaac tcttttgcg cttcactcgt 360
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50
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 <211> 410
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 <213> Arabidopsis thaliana

55
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 gagaagtttg agaaagacga ggcagcaaag aagtctaaga aagggtgggaa gaagaaggca 180
 atgagagcca gagctggacc aagaggtttt ggtcagaaga ttgaagatga tgacatcgac 240
 attgatcttg agtgattttg tgtgtagtag agagacaaaag attgattttg tttgtaattgt 300
 tgctcagtga ttgtcacatc tatgatatgt ttcttgtgta ccaagcaact tgatggtcga 360
 60 tataacaaaa atattgcaat attacagaaa aaaaaaaaaa aaaaaaaaaa 410

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 <213> Arabidopsis thaliana

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 15 gaaacaacaa cttttagtagac ttcgggaaga tggaaacgag cggatactca atccttctcc 240
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 aactattttt acccttgaat ctgatccgaa cttgagttgt tagccgctga tgaactagac 180
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5 atgtttctgtc ttgactgttc ttctgaggcc ttttgcctctt actgttttgc caatcacaga 360
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35 <213> Arabidopsis thaliana

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tatgcaaaat gggaagcttg tgactgagct aagggaattc gtgctgagcc aagaagaagc 180
45 ttacgaggtc aagataggga agcaagagtt tagaagacct ggagatcctc catttgaaga 240
tgtctttgac aaatttcaag ctgagcaaag gaaagatcac gaagatgggt atggtaacaa 300
gaatgatctt actaaggatg aattataggt cacagaaaag cttctataat gggtagtact 360
gaaagttcaa ctcttttact gaatcttacc taaacatggt tggttttta 409

<210> 626
<211> 409
<212> DNA
50 <213> Arabidopsis thaliana

<400> 626
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gcgaaagaat caggggtggt gtatcttctc gggcatggcg atataagagc aagaaaagat 120
tcatggttca tcaagaagtt agtcataaac tacttctaca cattctgag gaaaaactgc 180
aggagagggg tcgcaaattt gagtgtgcct cagtcgcata tgatgcaggt cggtatgaca 240
60 tacatggtct gagtatcttc tttcttcttt taaacgtagt ttctattcgt gtccatagat 300

5 ctaaatttgt atgttgcgtt gatgttcttg cattgtttgtg aagaatccga gtattttgact 360
actccaatct atagagcatc tagtagagga aaaagctgcc tatgttgat 409

<210> 627
<211> 409
10 <212> DNA
<213> Arabidopsis thaliana

<400> 627
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15 caagagacga ggagttctct acagccaagg gcacttcatt cacaggcaag gccgtactgg 120
cagctcttcc ctccatcttc cctcagatcg agtctgttct attgagtccc caagaacctt 180
ttccacactt caaggccata caaaatctct ttgaagaagg cattcagctt cccaaggatg 240
ctggcctctt acctctgctc cccagaatca tcaaagctct tggcgaagct caagatgata 300
ttctccagtt tgatgcccc a gttctcatta acagggatag attttcatgg ttacgagacg 360
20 acgagtttgc tcgccagaca cttgccggcc ttaatcetta tagcattca 409

<210> 628
<211> 408
<212> DNA
25 <213> Arabidopsis thaliana

<400> 628
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aaataacatt cactgctaatt tcttaagacc ccaccccaaa taaagagtac agagtatata 120
30 tattttctaca aatacagagc aattacaggc aacgatttgt cttcttgtct gattcacaac 180
aagaacagca gaaactgata gttgttgggg tggttcattt gagctccaag aaacttggat 240
ttggattgta agagttatct gatgaagaag acattgaaga cacattaatg ggatatacct 300
ccgttacttc ttcagtcttc tcatcaaagt agaccacatc ttgcattgtt agctggtgat 360
attcgacgac tcctctcaga tagaggtttt cgcggtgtga tatcgagt 408

35 <210> 629
<211> 408
<212> DNA
<213> Arabidopsis thaliana

40 <400> 629
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acttacatac aacgacttaa tacgaggaaa tacagtggat ataatagatac agtatattat 120
gtaatatgaa caaatccttg taccagaaac tctcaatctc ttgttttctc caatgcgtta 180
45 agtttcagag cagcactgtt gaggcaatat cgttttccgg ttgggcgtgg accgtcgtea 240
aagacatgac caagatgggc gttacaaaca gcacagacaa cttcttgtct aggcatagaag 300
atgatagaga ggtctagctt tgtcttcaca ttgtttccaa ttggttggta gtaagatggc 360
caccctgttc cactatcaaa cttgttgat gaatcaaata gaggtgtg 408

50 <210> 630
<211> 408
<212> DNA
<213> Arabidopsis thaliana

55 <400> 630
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taaaccattc aaaagatgaa aggaagaatt ttgagtttga gtttgctcat aatgagtcgtg 120
gtcatggcac aagttcaagt agaagcaaag atctgtgtcc cttccaacca agctagaagt 180
ggctatagtg tatgccgtat aaggttttcc aagggaaggt gtatgcaagt gagtggatgc 240
60 caaaactctg atacatgccc tcgaggttgg gtaaacgcca ttctcgaaaa ctcagggtgat 300

5 gctaccaatg agcactgcaa gttaggggtg gaaactttctg tgtgtgggtgc catgaacact 360
ctccagaact ctgatgcaag tgaaattgtg aatggagcgt cggaacaa 408

<210> 631
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10 <212> DNA
<213> Arabidopsis thaliana

<400> 631
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15 acattgaagg aagagatggc tcataggaga ttaatcatga cgatgacaaa gatgatgatg 120
atgggtgacca tgatgatgat gatgatggat aaaacatgca tatgtgcgga catttccaga 180
ggcagttttc caaagggtt tgtctttgga actgcttctt cggcttttca gcatgaagga 240
gcggtgaagg cagaaggcag aggtectacg atatgggaca cattttccca cacttttggg 300
aaaatcaccg atttttagcaa tgctgatgtc gctgttgatc agtatcatcg ttacgaggaa 360
20 gatgtacaac ttatgaagaa tatgggaatg gacgcttaca gattttcc 408

<210> 632
<211> 408
<212> DNA
25 <213> Arabidopsis thaliana

<400> 632
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ctctctttta caatctctct ctctctgttt tcttcgatcc gttgtaggag aaaatgggtc 120
30 ttatcaacag tctccgacgc ttggcgcgta ccactcaggt tcatttgcac agtaggtatg 180
ccacttgcac gtctgggaac tccacttcca ggaggatttt cactactgag gcagcacctg 240
agaagaaaaa cactgttggg tctaaagggc atgatatgct tgcacctttt actgctggat 300
ggcagagtgc tgatttagat cccttgggtc ttgcaaagtc tgagggaagt tatgtgtatg 360
atgatactgg gaaaaaatat cttgactctc tcgctgggtt atggtgta 408

35 <210> 633
<211> 408
<212> DNA
<213> Arabidopsis thaliana

40 <400> 633
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caaacaataa tgtcttttaga aagtagagat ctcaacttct caacttatca cataaaaaaa 120
gtctcctgaa aacatgcatt cttaaacaaa gtcttccact agtagcatgt tgttctctag 180
45 atagatagat atttcttgct taatcgatgg ataggcgtgg aacacaaaag tccacaagca 240
gcacagatgg ccctacgccc gccaaataaa acatcctgct caaagccact ttgacaacta 300
caaacttctt cttgtaccat accttcacta ttgccatgga ctttccttgg atcttctctg 360
ttccaactac tatcccatct ctaagtccaa cgtagcgcgc atactcac 408

50 <210> 634
<211> 408
<212> DNA
<213> Arabidopsis thaliana

55 <400> 634
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cttccatcct caagacaata atataattgc tatcggaatg gatgactctt ctattcaaat 120
ctacaatgac agagttgatg aggttaaaag taaattgaaa ggtcatcaga agagagtgc 180
tggttttagca ttctcaaacy tgctaaatgt tctgttttcc tctgggtgctg attctcagct 240
60 ttgtgtatgg agcatggatg gatgggaaaa acaagctagc aaacagatac aaattccaag 300

5 cgggcattca ccaaattccac ttgctcatatc acgcgttcag ttccatcaag accagatata 360
 tgtacttggt gtccatgcca gccagttagc catatatgag gtccttaa 408

<210> 635
 <211> 408
 10 <212> DNA
 <213> Arabidopsis thaliana

<220>
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 15 <222> (1)...(408)
 <223> n = A,T,C or G

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 acgcttgccg aaatgttact acccggtgat ttcactcgtc tccaagacct ttaggcgtct 180
 catagcttca cggagatct acgttgaaag gtcattactt cgccgcaccg agcgtgtcct 240
 ttatggtgtg cttagatctc acgctacaga aactccccga tggtaactc tcaatttcaa 300
 accctttgga aatgattcaa ataaccatag attgnttcg attccgtcgn ntnnntcgat 360
 25 tccttgctgg ggaatgtcaa ttgtcgctat tgattctgaa atttacgt 408

<210> 636
 <211> 408
 <212> DNA
 30 <213> Arabidopsis thaliana

<220>
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 <222> (1)...(408)
 35 <223> n = A,T,C or G

<400> 636
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 ctcaagtgat tatccactc ctggaactga gaatggagtc aacattgatg ttaaagcaag 180
 acctagtctt tatatgccac cgccttctcc gtnactaat cctagacttg atgtcaatgt 240
 tgcttatgtg gatggccgtg atgagcctga gagaggaaac tctaatacgc agtttacgca 300
 ggatttatct gtgccatctt ctgggaaacg aaaacgtgat gattcatctg cacactatca 360
 aaatggtgga tctatacctc aacaagatgg tgcaagcgat gctatccc 408

<210> 637
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

50 <400> 637
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 tcattagttg atttaacatt acattttaaac cggaaacaca caaatccaaa gacttatttg 120
 agaacacact aatgtacggt acttcatggt actgtacgga agattagata agaaagaagt 180
 55 gacacacgac gatggatcaa agcttgaatt atgcatgaga atgggtagat cagcaatgtc 240
 tgggtgcagaa gcaacgacga cggaaatccac ggcagttacc tccgacaaaag ccttcgttgt 300
 ggcacacggt ggcgcagttt gatgcactca cgcagtgtacc cttgaacctt tggctctgctg 360
 actcacaagt gcgtgcctcc acagtgactg gtcccatccc agtggcga 408

60 <210> 638

5 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<400> 638

10 cgagcggccg cccgggcagg tccggtgtcc attgaagtgt ataatcctaa tgggaaatac 60
 agagttgtta gcacaaaacc gatgcctgga actcgctgga tcaatctctt ggtagaccaa 120
 ggttgtcgcg ttgagatatg tcatttgaag aagacaatct tgtctgtaga agatatcatt 180
 gatctgatcg gagacaagtg tgatggagtc atcggtcagt tgacggaaga ttggggagag 240
 actctgttct cagctttgag caaagctgga gggaaagctt tcagtaacat ggccgttggg 300
 15 tataacaacg ttgatgttga agctgccaat aagtatgga ttgctgtcgg taactctccg 360
 ggagtgttga ctgagacgac ggctgaacta gctgcttctc tttccttg 408

<210> 639
 <211> 408
 20 <212> DNA
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<220>
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 25 <222> (1)...(408)
 <223> n = A,T,C or G

<400> 639

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 ttaggttcgg cttggttcct gcacgcttag cattgcttgc tgaaagmnga caatgtgtaa 180
 tgcacatcac ttgttgttat ctggtgggtg ataactattc tgatccggga tgagtttccc 240
 cggaagga gaatgccatt ctctcttaga ttcttccgca gtttctcagc cgtaagtctt 300
 gaaccatcct ccatatccat gaaaatcatg ttggtctcca cggctgcaac atttactcta 360
 35 atccctttca tttgattcaa cccttcagct aacaacttag ctttcttg 408

<210> 640
 <211> 408
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 640

45 acttacaagc ctccatgaaa cattgaaacc cttagtttgc agagaacaca gtcgtgggtta 60
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 ttcttcactt gtcgatccct gccttcacag atctgccttt aattcaaatt gaaatcaaga 180
 agaagatcgt ttcccttcac aatcaagact ctcatcgaaa ttcttcgaag ggtatttagc 240
 agttatccca gcaacctcaa agacaagatt atctccagaa gatcgaatcc cagtaataga 300
 ccacgacttg aaaaacgccc gaacccgaat cccttggagc tccgcgatct taccctgaga 360
 gatccgaccc gttactttgt tagaataagt agcgatgtag ttatcagg 408

50 <210> 641
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 641

60 cttttttttt tttttttttt ttttagaaaa aaaggattaa tcattaagag agaacaaaga 60
 tgtttgtaa aggaatttca gaaataacat gacatacaag agcaataaac aacactacca 120
 aaagcctttt ctcaaggcca caatgatggc tcaaaaagtg aacatctttg aatccagcca 180
 aagcaaaacc tgaatgcaat gattcagtta ctccggactc atcattcttc ggctacatga 240

5 tttgaacggg tacccgagtc actagcacca gcggtctttg tagccgcttg tttcttcctc 300
 ctgctcttag ctttcttagc tttcattcga cgtttcttct cagctgaatc gatccatttg 360
 taatctgaag gtatcaagaa agggtcagcc tcgtctttgt aacgggta 408

<210> 642
 10 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<400> 642
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 gaattcacat agaccagaca caaacactgg tttaagggaa ataagaagaa gaagaaaaat 120
 atccataaga cattattcaa gaaaacgaaa attaaaaact tgagctttta gattccctat 180
 tccttctcgt cctcgtctgt gcagctactg ttgctgctcc actcacattt caaggtagat 240
 ctcgagagaa cacaatacct tcctagcttc tcaaaactct gatacatcac tgttcctctc 300
 20 tcttctccta gagactccat tgttgactct ttgcatccgt aatcgtctag gtccacagag 360
 agaccagagt cgtagctctt ctgtgccacg gtcgagtggg cagctaca 408

<210> 643
 <211> 408
 25 <212> DNA
 <213> Arabidopsis thaliana

<400> 643
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 cataaagaaa aaacacaaaa ttgtaataag gccttaattt ttaaagtcag aggaaaaaga 120
 gaaaacaagt ttcgatgttc caccgaagtg ggcaaattct taaaccgtac caaactccca 180
 taaagactcc aatacactta gaatgaaaaa gcaagagaca aattggttgg agcccaaacc 240
 catgtgggtc aaagtctctc taaggagtta cttactgctg ggcacattgc accctttgag 300
 caccaccggg atggtcatca tcttcatcgt catcatcata agcctctctt tgagcttggtg 360
 35 ccttctctct catctcatcc tcaatgttga catcgtggag cgtggtct 408

<210> 644
 <211> 408
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 644
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 atacaataat attaaaacca gtttaggaat ttctttatgt acaacttttt ccataagttt 120
 45 aaaaagagag tttcttttgt tttcctagta cttatactta ttgctattct tttgtacaaa 180
 atcctaaaaa agaagaaaac tttttaaaac catgttaaaa agaagaagaa gagcttcctt 240
 tcgtctcttc taacaatcca ctcttctctt ccactaccgc ttctgctaac tttttacaag 300
 aacctaactt aagagagatg gaaggaacct tgaccttcgg ttatggcata aatcagcttc 360
 tccttcatct tctctttgga tgaataagga ggaagcttca gataattg 408

<210> 645
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<400> 645
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 agatttctcc tatggcaagc caataagaat gttgaatcaa gaaattactt ggggctggaa 120
 atacgtcaga aactggtcaa gcgcgccaac ttttgggtga atgagctcgg actttcaaac 180
 60 gtacacttca tatttgcaaa cgccatgggt tcttttgaac atcttatatc gagctatcct 240

5 ggaccattgg agattgtctc aatcttgtgt cggatcctc atttcaagaa acgtcatcaa 300
aagagacgtg ttgttcaaaa gcctttggtg aattccattc ttcaaaacct aaaacccggt 360
ggaaaaatat ttgtgcaatc cgatgtgctg gatgtggctc aagacatg 408

<210> 646

10 <211> 408

<212> DNA

<213> Arabidopsis thaliana

<400> 646

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cagaggcaac agatagctga gattgagaaa caggcaaagg aagccagcca gcttactgca 120
gtcacaacaa gaactacaaa tgttcattgt gatgagctca ttgtcaccac cacaagccct 180
tacgagcaat ctgcattcgg ttccaagaca gattggcgtg tacgtgcaat atcagccact 240
aatctttacc ttagagtcaa tcacatatat gtgaactcag atgacataaa ggaaaccgga 300
20 tacacctaca tcatgccaaa gaacattttg aagaagttca tatgcgttgc ggatcttcgt 360
actcaaattg ctgggtattt atatggtatt agtcccccg ataatccc 408

<210> 647

<211> 408

25 <212> DNA

<213> Arabidopsis thaliana

<400> 647

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30 cggtgacttc catggtccg cctgtctctg atgattccct acagcctcga gatgtttgtg 120
ttgtgggagt ggcgcgaacg cctatagggg acttctcttg ctccctctcg tctttgactg 180
ctacaagact tgggtccata gccatccaag ccgcacttaa gagagcacat gttgatccgg 240
cccttggtga agaggtcttc tttggcaatg tcttaactgc caatcttggg caagcaccag 300
caagacaggc tgcacttggt gctgggattc cctattctgt gatctgcacc actatcaaca 360
35 aagtttgtgc tgcaggaatg aaatctgtaa tgctagcgtc tcaaagta 408

<210> 648

<211> 407

<212> DNA

40 <213> Arabidopsis thaliana

<220>

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45 <223> n = A,T,C or G

<400> 648

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50 agaactagaa tataagcaga cgacatgcat agagaagtcg tctactgcaa taaacagaag 180
gttgtcacga agactcgcta gcggaaaaat tttatggttc tggctgttaa gatttgactg 240
agtcacacac agggaaatct tacgaggggtg gaagacatta tcaacagagg agatgagatc 300
aagggttgat cacagaagta gaagagaggc aagaaccatt gcgaaaacag aaagtagaag 360
agatagagtg attcgggttt gtccactagg tgcttgtgca ttggttg 407

55

<210> 649

<211> 407

<212> DNA

<213> Arabidopsis thaliana

60

5 <400> 649
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tcttcgtctc tcctattcga cgacactcag ttacagttaa aagaaagtgt atccaagttt 240
10 gcgcaagata ttatcgctcc tcatgcagaa agaattgata aaactaattc atttccaaag 300
gatgtaaact tatggaagct aatgggtgag tttaatctcc atggaatcac tgcgccagag 360
gaatatggag ggctaggtct tggttacttg tatcattgta ttgcaat 407

<210> 650
15 <211> 407
<212> DNA
<213> Arabidopsis thaliana

<220>
20 <221> misc_feature
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<223> n = A,T,C or G

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caactgttcg ctgatggatc catgtctcac aatccacttc gaggccatac acgagttcag 120
ggccgtcttt tctgtgctgt aaaagacttt tgtcgaatca ataaattaaa caacatccgt 180
ttaaacctca tacgtcacac ggtgtgacaa caacacattc gccctttaac acgaatcttt 240
caccgaatcc atagtcataa gacgcctcga atgagttttc atcaagtgaac acgtccgttc 300
30 acaacatatt catgaaggtn nnaacagagg cacatggcac atgttatcca acgccgtcat 360
ctccagaaga cgcctagaat acattagacg cactttattc gacgcgag 407

<210> 651
<211> 407
35 <212> DNA
<213> Arabidopsis thaliana

<400> 651
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cagaagctct tgcttttgct accttagttg tggaaggcaa tcatgtccga ttgagtggtc 120
aggatgtcga acgaggaaca tttagtcacg gtcattctgt ccttcatgac caggaaactg 180
gagaagagta ttgtcctcta gatcatctca tcatgaatca ggatcctgag atgtttactg 240
ttagcaacag ttctctttca gaatttggtg tccttggggt cgaattgggt tactccatgg 300
aaagcccga ctcgttggtg ctatgggaag ctcagtttgg agacttcgcc aatggagctc 360
45 aggtgatatt tgatcagttc atcagcagtg gagaagccaa atggctg 407

<210> 652
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50 <213> Arabidopsis thaliana

<220>
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55 <223> n = A,T,C or G

<400> 652
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gagccaccgc agctatctcc tcctccgtca aacgattcgt ctccaaaggc ctaatctcca 120
60 aggaagttgg tgatgatgct atgcatcgtc tacgattaac atcgaatctt gaagatttgt 180

5 gttctgctga tatcatcgat gaagccattg tggaatcaga agacattaag aagaagctgt 240
 ttaaggatct agatggtata gctaagagtt ctgcgatttt agcttctaac acaannnta 300
 tatccattac tcgtcttgca tctgctacga gaagaccag ccaggtcatt ggaatgcact 360
 ttatgaaccc tcttccaata atgaaactgg ttgaaatcat tcgcggt 407

10 <210> 653
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 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 653
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 ggccctgggt caaaggctga cgggtctaga cgagattatt agacggaaca ctagtgaatc 180
 ttctcttctt gttgtgacgg aagaggttaa cgtcggggat gataacacgg cggctccgtt 240
 20 tagtcaggat agaacacaac gacagaagtt aactgatatg ccgttggtca caccgagctc 300
 gatgaccttg tttggttctc caactcaact tatgtatatg tcaccgaacc ggaccgattc 360
 atttcgaccc ttggttttta agtccgaata agacttctta gcaaaaa 407

<210> 654
 25 <211> 407
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 <213> Arabidopsis thaliana

<400> 654
 30 cttttttttt tttttttttt tttttcacgt aatgcattca tattattatt gcacaattat 60
 aggaaacatc gctttaaaag gttcgtatac gacaactctc ccaccaagat ttaatatgtt 120
 taacaaaaat tagaaaacat tcatattgtg cccccagcca aaaaaaaaaa actactcata 180
 tactattagt tataaaatga gatgaaatgt gttttttttt tttcttttta atagttcaca 240
 agcaacacat gcattctatga gaagatcaat atacaaatta caactttttt ttgtataatc 300
 35 tcgtctcttt caatttaaatt tgtgaaatct ttctttaaca agcagagcca gcttctacca 360
 gcttgcttaa tttgttggtc cttaatcttt cttcgtaaac ttcactt 407

<210> 655
 <211> 407
 40 <212> DNA
 <213> Arabidopsis thaliana

<400> 655
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 45 cagtcacagc tattaaacga catacaaaac aaaaagggtac aaaaaataag aactggacta 120
 gtcaagctgc ccaattatct caatggatct aaaagctgca atcaaagggt ttctctgtcg 180
 gttttcatgc tccaatggct gtatccatgt ctgcaacacc atcggctcct ttgaatacaa 240
 ctcttacctt cgttgtgcac gactctttct cattgttctt gagggctctt tgtccaaaca 300
 cgtggatagt gtccttctgg actcttccca tgaggtcata aagcggcttg cttagctttg 360
 50 gtctgtgaaa ctcttctaga accggagggt cctgcatgta gagagtg 407

<210> 656
 <211> 407
 <212> DNA
 55 <213> Arabidopsis thaliana

<400> 656
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 60 tattttcttc accgattctt gggcttctcg acggcaagggt tgatgtcgtt aaatttctga 180

5 tgatgactta tcggcatgtg ttacagttaga attctaaagt caacacgtgt tttcggataa 240
gagtccaacg ttaagaatct ttttgctgta gatgttatct taatgggcta ttgttgggct 300
ccaattttct tgctgcacaa tcgttgtagg ctttaagtct tgtatctttt gtttaataaa 360
attcacacgg gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 407

10 <210> 657
<211> 407
<212> DNA
<213> Arabidopsis thaliana

15 <400> 657
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ccgaaacgct cacgcagacg ctctccatct tattggaggt ctcccaggcg aagaagcagc 180
aggtcaaggc actgaagaga ggaaactcta attgttgcgg cagctttttt tgttgccctct 240
20 gttcatgttt tttttttttt ttctgtgtgt tttcgtatcc ttacgattca gtggtaaaat 300
atggttttgt ggggtttacat gggataataa caacgttttc atatgatgtt ttagaaattt 360
ataagatgtt ataaaaaaaa aattattttta aaaaaaaaaa aaaaaaa 407

<210> 658
25 <211> 407
<212> DNA
<213> Arabidopsis thaliana

<400> 658
30 tttttttttt tttttttttt ttttttagaa gtaaaaaaaa gattgtaa at cgtacttgta 60
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tagaattaag ttgagaaaga aatatcctag caaaatccga gaaaattaag attgtacttt 180
tggcatccaa aaaaaagagc gaaatccaac accagatagt atagaagaaa ttaaaaacaa 240
ccgatgcccc caaaggagtg tttcatatga cttgatagtt ctgggcaatc agctgcgtcc 300
35 tctgcacaaa cctaggagtc gcaccaccac ctctctcag aggaatcatt ccagtcacct 360
tcaagccact gtaggtactt gtcgctgcaa actgaacaga gatgggg 407

<210> 659
<211> 407
40 <212> DNA
<213> Arabidopsis thaliana

<400> 659
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45 atagtcgcac gtaatgacag atcacagcca tattattaaa agcttggtgt aaaaaggggt 120
ttcgtttctaa tgcccgaaaa taatattcta aagctttggt atgttcccca ttacttgat 180
ggataaggcc tatattatag agtatataac ttcgatcata ggggtcaatt tctagtcgca 240
tagcttcata ataattctgt aatgcttccg cataatttcc ttcagattga gccgacatcc 300
gttacggtcg tcattcgctt taacgaactc tccgtttcag aaccgtatgt gagattttca 360
50 tctcatacgg ctctctcttt aggtgcataa tgaaaacgga cgcgtgg 407

<210> 660
<211> 407
<212> DNA
55 <213> Arabidopsis thaliana

<220>
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<222> (1)...(407)
60 <223> n = A,T,C or G

5

<400> 660

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attgaattcg	aaatctgacc	agagaacgac	attaactcga	aacaaattca	taagatcatt	120
acaaaaggaa	aaatcaagag	acacaaacca	aaccaaagaa	cccatttttt	tttttnnnnt	180
10 agcaaaccaa	tcacccaaaa	ctgatataata	ataaaccgga	ccatgactct	gcaaattaaa	240
gaaacacaa	ctcggctcaa	agacactctt	cactcttctt	cttcatcata	actaagccaa	300
gattcttcac	ttcttcactg	ctgcttacat	tccgggtggc	tctcacctgc	ttgaccttcc	360
gcaagttgac	ttcttcacgc	cttcttgtgc	ccagctgatg	acttctt		407

15

<210> 661

<211> 407

<212> DNA

<213> Arabidopsis thaliana

20

<400> 661

cttgtgggtt	agttactccc	aggaaacaaa	caatgttagt	gttaaaatct	ttttctcttc	60
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cattttgtgg	tttttaggagc	tgtgggattg	acgtgacatt	agaatcatcc	gttgtttccc	180
actttctgat	cttacaattt	ctcctttctc	tatagtactg	tctggagaaa	accatttcaa	240
25 caatatccca	agatgtacaa	ctgctggtat	cattttgaaa	accagcgggtg	tcgtaaccag	300
gcttagagcg	gttgtcccaa	ggagaagcag	atagagtttc	ccttcgatga	ggtgaagatt	360
ggaggcacgg	ctaagtagta	caaaggcaaa	ctcccctatc	tgagcca		407

30

<210> 662

<211> 407

<212> DNA

<213> Arabidopsis thaliana

35

<400> 662

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caccgttaca	atctcaagcg	caagatagct	ggtgttcctg	gagtaacaga	ggcactattt	120
gaagctagac	aagctgctat	agctcaagag	aagggttaaag	ctggtgaagc	accgatgctt	180
tatagtgtgtg	gaatctgtaa	caaagggttac	aggagtcca	aggctcatga	gcagcatctt	240
aagtccaaga	gtcatgtttt	gaaggcttcg	acgagtactg	gagaggagga	taaagcgatc	300
40 atcaagcagc	ttccgcctcg	tcgtgttgag	aagaataaca	ctgctcaatt	gaagggttcg	360
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45

<210> 663

<211> 407

<212> DNA

<213> Arabidopsis thaliana

50

<400> 663

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aaaaacagaa	aaaaaattct	ttaggttttc	attttgaatt	cttaccagag	agtttcaatg	120
gtggtagcaa	cgaccatagc	gctttacgcg	agtccagcga	gcactgtatg	ttccacagct	180
caccaaataca	acgctcatat	ctcatgtgac	ctcgatctga	actctagatc	ttcatcggcg	240
tcttcttcca	cgagttcgcc	gactatcgga	ggtctctctt	tgtttttctc	cggcgcttcc	300
gtcaaatacat	cttctctctc	ttctctcatg	catccatccg	taggagagga	attagcttca	360
55 atacgccatg	atcgtagcga	ggatcggacc	taaagcggat	ccttctg		407

60

<210> 664

<211> 407

<212> DNA

<213> Arabidopsis thaliana

5

<400> 664

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ttcttctaac	aacgatcacg	gtggaaatgg	aatccatgat	gagatcggag	tccacgtggc	180
10 gagatccgac	ggtgggtgaga	gttttaagcg	tgatatgaga	gagcttcacg	agctcttgtc	240
taagcttaat	cctatggcta	aagagtttat	tcctccttca	cttactaagc	cagttgttaa	300
tggttttaac	ggcggtttct	tcgccgttaa	taatggcttt	gttgctgccg	gaaatttccc	360
cgccaacgaa	gacggtagct	ttcgctcgaa	gaagtcgttc	ggacaac		407

15

<210> 665

<211> 406

<212> DNA

<213> Arabidopsis thaliana

20

<400> 665

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atagaaaaaca	ttacatttag	aaagaaaaag	aaaacaagtt	ctatagagaa	aaggaaaaaat	180
gttacaacag	acacgtaaga	caacaaaagg	gagaaaagct	actgagccac	tgtagaagca	240
25 gttagctcctg	attcatgtga	agacttatat	tccaacatct	caattctgta	tctctccaca	300
tccttaactc	ctttgtcttg	ataaacctgt	ttctcagatt	cagtgagatt	gctccacatg	360
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<210> 666

30 <211> 406

<212> DNA

<213> Arabidopsis thaliana

<400> 666

35 gaaaccataa	agttgaaaca	tcaaagagac	actactctca	acgttaccaa	aactgtatga	60
aagccaaaat	aacattattg	cctaaaccaa	caaacaacat	caaattctca	ccggtgagat	120
ttaagattca	agaatcaaca	acacaccaa	ctagagcttg	aggaaaacga	actcctcaac	180
cgctggaatt	tccccaatct	tcttcagttg	ctctttgctt	ggtatgtcat	ctactccaat	240
cgccataatc	gcttgcttcc	tcggtgcaat	tctcccaacg	ctcatgaagt	taacattgac	300
40 attagactct	ccaaggatgc	ttccgacagt	cccgatcata	ccaggttgat	ccacctgcct	360
gcacagtatg	atactacctt	caagagttac	atcgacctca	aaagat		406

<210> 667

<211> 406

45 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

50 <222> (1)...(406)

<223> n = A,T,C or G

<400> 667

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55 caaagagcaa	cgtgacatga	aacaattaat	aagttaaaag	ttgcacagaa	ttatatgaaa	120
ataaaactaga	tgaaatgtag	tagtactttg	atctcaaact	ccagggaagtc	ccttttcggt	180
tgcaatcaaa	cttcaggaaa	cacaacttct	atcatacttt	cttccccaaag	aaaactcttc	240
aaccgtttta	cctcgtcatc	actttctcca	tattccagaa	tctgcaactc	cttcacttgg	300
ttcagaggca	tgagacatc	gagtgggtaa	cnattcagat	cctcgatgat	gagagtttca	360
60 agctttggag	actgtttaag	tatatctgca	agcaatttcc	aagctc		406

5
 <210> 668
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

10
 <400> 668
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 tataagtgtg tagtctttac ccaaaaaaaaa acaagaacta tgactatgag accaaccata 180
 15 cgacatgggt tttactaagg aaacaatgat gtagacagac ataagtgcac ctctgcaa 240
 agacaaatgg tataacggta aaacgggtact ttaagattgt gggatgggct tcaaagtagc 300
 tgggccttct ctctcgcttaa ggagttccgg gaacttttgg gaattccggc aacttgggaa 360
 gttgaggcat cgtcggtagc tctggccttg gaatctctgg aactgc 406

20
 <210> 669
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

25
 <220>
 <221> misc_feature
 <222> (1)...(406)
 <223> n = A,T,C or G

30
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 gtttttctct ttctctgggt aagttgaaag catcgatatc caaagtaacg agcatagtcg 180
 ttatgtcaca tttaaagaaa ctcaaggagc agagactgct gtgctcttat ctggagcgag 240
 35 tattgccgat caatcagtc tcatgtgatt ggctcccaac tacagtccac cagcagcccc 300
 tcatgtgtaa acacagagca gcggtgcaga atctgttgct cagnnnnncag aagatgttgt 360
 gagcagcatg ttagcaaagg gtttcattct tgggaaagat gctgtc 406

40
 <210> 670
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

45
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 ctgagaactg cacagatgag aaaaatctcg cttctgattg ataaggcgag aatagagaag 120
 gaccacgagg ttttagagat aggatgtgga tggggaactt tggccataga agttgtgaga 180
 agaactggat gcaaatacac cgggattacg ctatctattg aacagcttaa atatgctgaa 240
 gaaaaagtga aagaagctgg acttcaggac tggattactt ttgagctccg cgattatcgc 300
 50 caactatctg atgctcagaa atatgacaga atcatatctt gcgagatgct agaagcggtc 360
 ggacatgagt tcatggagat gtttttcagt cgatgtgaag ccgcac 406

55
 <210> 671
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

60
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 <222> (1)...(406)

5 <223> n = A,T,C or G

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10 ctgccctgaa gtccatatct ttaattccta tccatgggga tatgaagann natgcaagag 180
acaaggcatt agcttcgttt actaaagcat caagtgggtgc ccttctgtgc acagacgttg 240
ctgcacgtgg acttgatatt ccaggcattg attatgttgt tcagtatgat cccccacaag 300
acccaaatat gttcaaccac agggccggca gaactgcaag attaggaaga caagggaggg 360
ccattgtgtt tttactgccc aaggaagaag cctatgtaga gtttat 406

15 <210> 672
<211> 406
<212> DNA
<213> Arabidopsis thaliana

20 <400> 672
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ctccgatctc cgccgccaac gcttccccgc ctccgtcctt cccaatctc tttgccccgc 120
cgccgatttg cctctttcac taatcccagg aatttgggag agctaggatg cacagagtca 180
25 ttcttgccctc tgtacaatgt tgtggctgca gcgagactca catctcacct taatgttaat 240
ctgcgagctt tctgcgaact ctctaacggg aatggaaaag atgggtgatg gaagtggatt 300
ttcagtcgct ggcaagagag gtgctactgc tttgtacttg agaatgcaca aagtggatac 360
atcagttatc ttgcagcagt tggagacttg agaaaagggg tgtacc 406

30 <210> 673
<211> 406
<212> DNA
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35 <220>
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<222> (1)...(406)
<223> n = A,T,C or G

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tacacattga acgtggacaa atcagctann nggatattaa tgaaccttgg tctgattgat 180
gagtcaaaaa tttctcgctt tctaccttgg agacgcctg caaatgtttt ccgtactaag 240
45 gaagatgttc gcccaatttt ctgggcaaac cgtccaaaga gctacatatc tagaacaag 300
ggctggaatg acttcccaca tggacgttgg ggtgattcac acagtgcagc atacagtaca 360
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<210> 674
50 <211> 406
<212> DNA
<213> Arabidopsis thaliana

<400> 674
55 ttgactcagc ttcaccctct gctcttttga tctgaatgat tttctcagcc tctgcttttc 60
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ttgatcaggc tcaatgtcga taattagggt ttgaaggatt tcgtaaccat aagcagtcac 180
ggctttgtct agctcttctt ccacagattt ggcaatttca ttcttctgct cgaacacatc 240
gtccaagtgc agcttttgaa cacatgctct gatcacatca aagacgtagg ccttgatttg 300

5 ggtgggttgga ttgctgagtc tgtaaaaagc atcacttgcc ttgtcagcta agactctgta 360
 ttgtatggat gcaaccactg tcacaaacac attgtccttt gttttg 406

<210> 675
 <211> 406
 10 <212> DNA
 <213> Arabidopsis thaliana

<400> 675
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 acattttctc ctgaaggctg tctctttcag gttgagtatg ccattgaagc tatcaagctt 180
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 attacttcgc ctttactgga gccgagtagt gttgagaaga ttatggaaat tgatgacct 300
 atagggtgtg ctatgagtg tctgattgct gacgcgcgaa cacttggtga gcatgcacga 360
 20 gtagagaccc agaaccacag gttctcgtat ggtgagccaa tgactg 406

<210> 676
 <211> 406
 <212> DNA
 25 <213> Arabidopsis thaliana

<400> 676
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 atttgatgat gatgatgggt caagatgagg ttgggagtga tcagacgcaa atcataaaag 180
 ggaaacgtac gaagcgacaa agatcgtctt cgacgtttgt ggtgacggcg gcgacaacag 240
 tgacttcaac aagttcatcg gccggtggaa gtggaggaga aagagctgtt tcagatgaat 300
 acaactcggc ggtttcgtct ccggtgacta ctgattgtac gcaagaagaa gaagacatgg 360
 cgatttgtct catcatgtta gtcgtggga cagttcttcc atcgcc 406

<210> 677
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 <212> DNA
 35 <213> Arabidopsis thaliana

<400> 677
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 gacgaatgag aagcattcag aggctgctgc agcttatata gaggcacaac aaggtaaagc 180
 45 gaaggagcag caaatgcaaa tacagcaact gcagatgatg cgccaagctc aaatgcagcg 240
 tagggaccct aatcatcctt ctcttggcgg tccaatgaat gctattgggt ctgaagggat 300
 gattgggcag tctaattgcta gtgctttggc tgctaaaatg tacgaggaac gcatgaagca 360
 gcctaattcct atgaattctg agacatccca acctcatctt gatgca 406

<210> 678
 <211> 406
 <212> DNA
 50 <213> Arabidopsis thaliana

<400> 678
 55 ttgaattagg cgatttcgat tttattgatt caaaaggttc gaacaaagac gtaacaaagc 60
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 acgacgacag ttatgttttt gcttttagtt ataaagcgcc tcaattagag acagcctctt 180
 ctttcactga aggacaatgc actattgtga agctgccacc attcatcgaa ttctgctctt 240
 60 caagctcctc ttcttcttct tcttcgtgac tactaaaacc gatggcatca aatatcatag 300

5 tggttaacttc tctgaatctc tcctctgata aagaaacttc agctagtaac ctccatgcct 360
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<210> 679
 <211> 406
 10 <212> DNA
 <213> Arabidopsis thaliana

<220>
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 15 <222> (1)...(406)
 <223> n = A,T,C or G

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 atgtgagata tagaaatctc aattttaaaat gtgtaatctc taggcacatt tgaaaccaga 180
 tggaaccttc ttaccacaat ggtttaggac aacgttcaaa gaaatgggaa cattaagggtt 240
 gataccaaga acattagcct ttagggcagt gcaaagacag accgcggctt caagatcaac 300
 tagacctttg ataagagcgc aacngttgga cgttggtggc agagaaaacct taaccaaactc 360
 25 caacacgtta gcacatacct taagtttaag agcgtcttta caagtg 406

<210> 680
 <211> 406
 <212> DNA
 30 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(406)
 35 <223> n = A,T,C or G

<400> 680
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 40 tctgttggtg cgtcatcctg ggatatccta acttatagat gcatgaccat acatagaaca 120
 atctacttac actccactta atcttcgtcc tcacattttt gttgtctgaa atctcatcag 180
 gtaggttttg gacaaaagat atgcacaccg ctaagaccac actgtggaac ttgtagtatt 240
 actgagattt gcccttctgc cttcaagnnn nnnccgagca catcatccaa attgaagaaa 300
 tctcccaaaa gtgtcatgtt tctcctatct ctggattgca ttgcgctatt ttgccaacca 360
 atgcaccaca ttccttcctg agggaaacaga tagtcatgag gataaa 406

45 <210> 681
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

50 <220>
 <221> misc_feature
 <222> (1)...(406)
 <223> n = A,T,C or G

55 <400> 681
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 aaatgttcta aaggaaagtg atattacgan nnnnncaaaa ccataatact gaaaacacaa 120
 agaaagttaa cccaaggag cgtaatagct tgttttctct cacaacagaa tcgatattga 180
 60 tcaaatctac cttaaaagtt acatctcata ctcaaaataa ctcaaaagtt aaccaaactg 240

5 cgagattaca gctaaaaactc agattaagca gcagcaccaa gaagctcctg atcgaaatgc 300
catgttccat gtcctttgcc aagtctccta agttgagaaa catattctga gattttctta 360
atggcttcca cctgttcgtt cagaaacaca ctctcaataa aatctg 406

<210> 682
10 <211> 406
<212> DNA
<213> Arabidopsis thaliana

<400> 682
15 gcggccgctt ggtgtagaca aattcaaacc ctaaccctag attgattgctg tacggagttt 60
ctcttttggtt aaaaccccca caaaaactgg gagagcgatg aggaaagagg agattccaga 120
taaaagtcgg actatcccga tcgatccgaa tctgccgaaa tgggtctgccc aaaactgtca 180
ccactccctt accatcgctg gcgtcgattc ctacgccggc aagttcttca acgatcccc 240
tccgtccgct acgcagggct catctatcca tggagctaac agtgttcttg gttcaacacg 300
20 catggacaac tcttttggtt ttttacctcg acataagcct cctcaatctc agggcattcc 360
tccacgtcct cgcgggggcgt cctcacctca gctgatgct actcaa 406

<210> 683
<211> 406
25 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
30 <222> (1)...(406)
<223> n = A,T,C or G

<400> 683
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gtaggattaa attacaattt cattttcata tagtagaaga agcagaagca tgattataaa 120
caagatttga cacacacaca tatatatata tannnagata cgataattaa ggcaaagttg 180
gagagagtga aggattagtg accttaagct ctccacagcc actaatgaaa accgtcttca 240
aaggtctatt ccacaaagat ctgcggtttt gagctctctc gtctccaaga aactccgcaa 300
aatcgttaaa ctgtttaata ttctccgacg gcttatacgt cggaatcgaa gaaataactcg 360
40 tcactacatc taatccttca agaacagttc cgaataacaat gttacc 406

<210> 684
<211> 406
<212> DNA
45 <213> Arabidopsis thaliana

<400> 684
50 tttttttttt tttttttttt tttgttacct tcaatgaggt aaattaaaat tcaaaagcac 60
gtaaatatct caacaaattg tattagctac gtacggaaaa taaacagata caaataatca 120
aatcatatac agacgaataa atcaaaaatca aaccacacaaa atcgatcgaa tgagttcgta 180
catgtaacca gtttgaaatt tgcttagatg ttgattaaca ccaacgggtga tagtgtctat 240
aaccttttagc caaacgggtg ggatacaggt gcaggtccag cgagtgcac agagcgtttg 300
atgcttccca taccgcatat gatacaaccg ggcgacgaaa gagcagcaaa cttagcacca 360
cagagatcac aaacatcgta tccaatagtc gataatctgc tgagcg 406

55 <210> 685
<211> 406
<212> DNA
<213> Arabidopsis thaliana

60

5 <400> 685
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attcaggatg tgggttcttg gtctaattctc atgtttctctc ctctctttcc ttaaccaatt 120
cttctcgtac cgaaccgaac cgctcgtaat cactcaaate acggttcagg tggctacact 180
acctatcggg cattttcttg ccaaggtgct tcccaaaacc cggtttgggt taccgcggtg 240
10 tggatcggcc cggttctcgc tgaaccggg tccgtttaac atgaaagagc atgttttgat 300
atcgatattt gcgaatgcgg gtagtgcttt cggatccggg tgggcttatg cggttggtat 360
catcacaatt attaaagctt tttatggcgg gagtatctct tttatt 406

<210> 686
15 <211> 406
<212> DNA
<213> Arabidopsis thaliana

<220>
20 <221> misc_feature
<222> (1) ... (406)
<223> n = A,T,C or G

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atcttggtgc caggatgaaa taagcacgac atcacaagta gagagacgcc gcgaatacaa 120
tgtctctttt gatcttgga acagcttctt ctagttagc ttcaagctgt gtttctccta 180
tagattttgc agctactatg agctnnngca gaacttcctc cattctcctt atcgctctga 240
tcaagctccc ttcgaaaaca cgagcaatct ccatgacctc atagaatttg gacccttttg 300
30 cccaagcata caccgcctcc attatatcag gtctgaaaga ctgcacaaaa ctctccacgt 360
ctatttcgac cttgcagtca agctgaactt cagctacacg cctggc 406

<210> 687
<211> 406
35 <212> DNA
<213> Arabidopsis thaliana

<400> 687
40 attacatcgt atgttcatcc cactcttttg gtctttatat acaatgacct tgatttattg 60
aacataacac atctaaaaga atttgactct ctttttcttt tgtttttcaa aacaaagtga 120
tatatatatt caagaatatt ataagagctc tctacctcta catggagcaa ccagactctc 180
ttcttcagta cgcttatttt tccagtgaac atgacaaaac ttcaaggcca agaactgtgag 240
tcctttggct ttaacactca agaacttgag cattctctgt tgatcttggc cagctacaac 300
cactggacca tcccaacaca cccaagacta aatccacctt agcgcaaaca ctaaccaaac 360
45 tttcaatggt tgcttctatt tgaaataaca ttactgctaa tcctct 406

<210> 688
<211> 406
<212> DNA
50 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1) ... (406)
55 <223> n = A,T,C or G

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60 aaggttgatt cgggtgagcaa caattcgagc cggcgagggt cggtttctag acaaccgaat 180

5 gagaggggta aggtcgagaa cagtgggtggg gtaattgagg gagatcgtga gaacgcgaat 240
tcgcggcgac gacggtcgct ttctgttgct cgtcgtcgga ttgagaattc tgagagtgat 300
gtagntcaag ttcagtattc aagcagttca agggatgtga agagcttcac gagtggaaaag 360
agtcaaaata gtggttctca gaaatctgct gcttcagata atagac 406

10 <210> 689
<211> 405
<212> DNA
<213> Arabidopsis thaliana

15 <400> 689
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aagtttcaca tcaaaattaa atctcactct aggaccgatt ttcttggttc aactctcaaa 120
tacatcggtt cgttctgac attgatttga gtggcaaaagt ctataaaccg gggtaatgcc 180
ttcccaaacc aaaccaaacc ggaccgaaat tctcattttt tgtgagcttc caaatcagac 240
20 attagcttag ccggttttagc ctttttctgt cgggtacttg catatgagta ccacacacca 300
ccagctgtgt tgaccactaa accggacacg ttcaaagcat gtacttcaac accacccaag 360
aggacaaaac cgagcgtagt ggaaccaacg cctttgagaa cacca 405

<210> 690
25 <211> 405
<212> DNA
<213> Arabidopsis thaliana

<400> 690
30 tttttttttt ttttccttca aaacattgat gttattactg ttgattggca taccaaaaata 60
ggcatgtcat atccatagat cgtaataagc aatagcttca agaataattg tgggagatcc 120
actacgaccg agaaactgcc aaagttgatt aaagtagttg tcaagttggt taacaacatc 180
aacaatatga agaaataacc tttgtgacat tcagaaccga cgatggaact ctctttcacc 240
atacaaaaaga ttatcagaaa aaataatcat tgaacaaatt atgatgagca gtttctttat 300
35 cagggtgtat tactgctgta ccaagaatag agcctcgatg acttacgtga ttgctatttc 360
gagtgagttg gtgaataagc cgattgttgt aaactaataa attga 405

<210> 691
<211> 405
40 <212> DNA
<213> Arabidopsis thaliana

<400> 691
cttttttttt tttttttttt tttttttttt tttttttttt tttttttttt ttttgatcga 60
45 ctattaattt caattttgat aatctgaaga acatcaatat catccatttt tattttgata 120
atatcactact tgactaggac tgagcataat acgcgagtct acgaaaacaa taacggtgaa 180
gcattataac aacaccaatt attcattaaa tctatgagaa ttcacgttgg tttcgggttta 240
taaactctgc taatatttga tgtaagcaac ggaagaagtg ttggcatctt tgataagtgt 300
accaagaaga ggagcaagca aacattttct gtccttctcc ttgtagaagt aacccaaaca 360
50 cttgcaatca cgatcgact tagccttgca atcggtcaca gaagt 405

<210> 692
<211> 405
<212> DNA
55 <213> Arabidopsis thaliana

<400> 692
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gtcacagata gaacactggg aatcttgcta tcgactgcgt ttaagatcag atacaaagag 120
60 gcactgacaa aagtatacac agcagctcac ataacagctt ccaagtactt gtcgttttta 180

5 acaaaagaag aaacaaactt gtatgaagca gctcacttgt cgatgacagc cttcaagaag 240
 tggagaacag gtggtcctag attccagaga gcttcaatac tcggaagaaa acgcaaggat 300
 tctaattaag ttccctataa ctctttctta tcataattat ccaatagggt gattgtagca 360
 tataacaatc tcaaaatgat gtaactgggt aacatacatt tgatt 405

10 <210> 693
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 693
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 agctgtattt ggagctaagg actacgcaga agctataaaa ggaattaagg ccagcaaacg 120
 accagcagct gtagctgtgt aatgtgaagc aacagcaagc gaaaagactc tgttaaactt 180
 aggaacagtt aaaaagtga tgcagatcac cagaagtcct agatgtgtgc gttgtgtctc 240
 20 cattcgccat aacattcaca agaatcaaac tcaatatctt caaagtaggc tcctctatac 300
 tattctgtac cattgtcttg taaattgagg atatgcagat tccatacatt ttgcaatgaa 360
 acactgtgat aagaaatatg ttgttacata tgtgtttttg actta 405

 <210> 694
 25 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

 <400> 694
 30 aaattgtacc agagaatccc aatagctaca gagcaagaaa gagagaaaac ttcagattgc 60
 aaagggagaa gaagaaggcg agacgcgaga attactcgta cacacttcct acaccagaac 120
 ttgttcttgc atctgcctca gtcgatgatg ctgaagccaa tccggagtgc tataagattg 180
 aatgtggagt ttccttgtct ctttttgttt agtcttgttt atgaaaaatg atcctttcag 240
 agtattaaga gttggttgta ttgtcgaatc caagcctctc ttttgtcaaa ttgagtccea 300
 35 agcaggcgga tttttaccca acttgagtta ttagtgtaat caaatgggta ttgttaatta 360
 gtcaaagcct caaagggttt aatttaaaaa aaaaaaaaaa aaaaa 405

 <210> 695
 <211> 405
 40 <212> DNA
 <213> Arabidopsis thaliana

 <220>
 <221> misc_feature
 45 <222> (1)...(405)
 <223> n = A,T,C or G

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 aagctcgtgg tcaagagaga gggattccga ctgtagtgaa cacatgggga gagatgaatg 180
 catctagaag tgttcttgct gcttccattg atgaccgggt aaggaatccg cttttggctg 240
 ttgcaagaaa agatggcaat gttgagggtta ttaacccttg taatggtgat cttcacttct 300
 catactctgt atttggtgat gatggtgtt cccctganna tnncgaaatt tctgccctgc 360
 55 acttattcag gaaaaagata gatgatcaga cagaaagatc ttgca 405

 <210> 696
 <211> 405
 <212> DNA
 60 <213> Arabidopsis thaliana

5 <400> 696
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ggtgggaagc attgaggcaa agagtctgca atcaaacggg tctgttcac atatttgtct 120
taatttggag gagaaacttg atgaatttcg tcgtcttttg gggaaatcag aaaaagatcc 180
10 gttaaggatt gtaagtgttg gtgctggtgc ttggggaagt gtttttgag cacttcttca 240
agaaagctat ggaggtttca gggataagtt tcagatcagg atatggagaa gagctgggag 300
agctgttgat agagaaactg cagaacattt gtttgaagt atcaattcaa gggaagatat 360
cttgaggaga ttgataagac gctgtgctta tctgaaatat gtcga 405

15 <210> 697
<211> 405
<212> DNA
<213> Arabidopsis thaliana

20 <400> 697
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gaatcataaa cacttacgca gaaacaaaaa cttaaactttg gatcttttaa ccgaccatag 120
agattcgtgg gttcttctta gtttcgacag attcttgatc cgttttagtt gttacgtca 180
tctttgcttt tatacatcag acccttctct tctcttcctt ctttatctaa gaaacattag 240
25 ggttcattga aatcttgcta taaaaaaatg ggtgttgaga aaatggtgtg tttggcttct 300
cgcacgggtc gtcagtttca gagatacaac aaaggtcgtc gtcaagtcgt tggatgtgtt 360
ccttacagat ttaagctatc taatgatggt aaaataagtg atgaa 405

<210> 698
30 <211> 405
<212> DNA
<213> Arabidopsis thaliana

<400> 698
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tcactttctc tccctcaacg acggacctct ctccgagtaa ccgcagccag agccactccc 120
aaactctcca accgtaaaact ccgtgtcgcc gtcacggtg gtggaccagc aggcggggca 180
gctgcagaga ctctagcaca aggaggaatc gagacgattc tcacgagcgt taagatggac 240
aattgcaagc cttgcgggtg cgcgattcct ctctgtatgg tcggagaatt caacttgccg 300
40 ttggatatta ttgatcggag agtgacgaag atgaagatga tttcgccgtc gaacattgct 360
gttgatattg gtcgtacgct taaggagcat gagtatatag gtatg 405

<210> 699
<211> 405
45 <212> DNA
<213> Arabidopsis thaliana

<400> 699
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ttatatattg ttgtggtcta tagatttcac atttattttt cgtaacatat ttgtattttc 180
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gattccggcg agtttcagac acttgtggaa gacagaaggg ttatacagtt gttaaagcct 300
ttttgtcatt ttgtgacatg gttgatttat ttatatcatc actctgtttc gtttttgtct 360
55 gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaag 405

<210> 700
<211> 405
<212> DNA
60 <213> Arabidopsis thaliana

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 ctcaacgata ccaccttatt acaacaactc cgccgttagt ccgagtgatt tcccaccgga 180
 10 atcttatttc ttgtcaaacg atgctcagct agagtggctc agcgacaacg ccttctttga 240
 tcgtaaagac tcacaaaaag gaaactctgg gattctcaat tctaattcca actcgaatcc 300
 aagctcgcaa cggttcttac taaaatccaa agcgtcgatc atcggtttgc ctaaaccgca 360
 gaaaacgtgt ttcaacgagg caaagcaacg gagacacgcg ggcaa 405

15
 <210> 701
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

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 atgttgatat acatgtgata gaagataatg cgattattga cacacaacga acaaacaaac 120
 aaatcttagt aacgttctca gcccaattaa caaagctgga aaatctcttg tttcttcttg 180
 ttcttggcca aaacagagag ggagagagag ggtgacaaaag aatgaagttg tttcaatttg 240
 25 ttcatctgaa caaggattga agttcttcaa gaggtttggc tttggtctca ggaaccata 300
 gagtcacgaa caccactgtg aatgcacaaa ccaatccata cagagtgaag gttctctccac 360
 tgctccaggc taacagcaaa tttgctgtca tgggtgatcaa ccaag 405

<210> 702
 30 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<400> 702
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 gatcttaccg gaacctcgag gttcgggtcc gtgtcttctc cttcttgtgt cggttctctt 120
 atcagcgact ctctcactcg ctctgtgtcg cgaagttgtc ggttacgccg agagcaagat 180
 caaaaccccc catgcatttt caggacttctg agtgacgatc gactgtaagg tgaataaagg 240
 ccattttgtt acaaaagggt cgggaaacat tgacgacaaa ggaaagtttg gtcttaatat 300
 40 tcctcatgac attgtctccg acaacggagc gttaaaggag gagtgttacg ctcagcttca 360
 cagcgcggcg ggaacacctt gtccggctca cgacggcctt gactc 405

<210> 703
 <211> 405
 45 <212> DNA
 <213> Arabidopsis thaliana

<400> 703
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 accagattgg ttccaagttc tgggaagtca tctgcgacga gcacggcatc gattccaccg 180
 gacgttacag tggagacact gcagatctcc agcttgaacg tatcaatgtc tattacaatg 240
 aagcttcagg tggagatac gttcctctgt ctgttcttat ggatcttgag cctgggtacta 300
 tggatagtat cagatccgga ccgtttggct agatcttccg tcctgataac tttgtctttg 360
 55 gtcagtctgg tgctggtaat aattgggcta aaggtcatta cactg 405

<210> 704
 <211> 405
 <212> DNA
 60 <213> Arabidopsis thaliana

5

<220>
 <221> misc_feature
 <222> (1)...(405)
 <223> n = A,T,C or G

10

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 ttgagtacga caaatcaaca aagccccaca taaacaatga cagaaccaa gaaaaaagca 180
 15 tcttaatgta taacgacagt aatggtacaa gtattattag ctagtacagt gaacaacaaa 240
 tcaacacaat aatggtgaac tagttcgttg catcagnnnc atnnnagtag cgtataatat 300
 actaaagtgt gttttgttac cgggcctaag gtgtatggtc ttgtatggaa agtcctgttt 360
 tcttgatgga tatagtccag agaagatccg aatccgattc gactg 405

20

<210> 705
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

25

<400> 705
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 tcgccaaaga cagcgttggc accgtctacg gtgttcctga gaagcattgc cactgtcatt 180
 gggcctacac caccagggac cggagttagt aaacctgcaa cttttgaagc ttctgcgaaa 240
 30 tcaacatctc caaccaaccg gtatcctgat ttcttgctcg ggtcgtgac tgcattagtt 300
 ccaacatcaa ttactgcagc cctggcctt atccagttgc ccttaatcat gtgggcttgt 360
 ccgcatgcag caataacaat gtcagcttcc cgtatgatag cctca 405

35

<210> 706
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

40

<400> 706
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 aaaagaagag agggagatct ttgtttgttt tctctgtata atcattcagt ctggaaacaa 120
 aacatagcaa atcatgaact aagacatata gaggcctttt gtacgctcag tttagcttaa 180
 gtatcagatg gtttctctgc ggtttttctt tctttgttga tgtgaaagcc ttcaatcttc 240
 tttgaaactt catccacgct atgcttcact ctctcagagc tagtttcgtt ctcttcggga 300
 45 tttgctgggtg ttgtttgcca gattctgatt gtcccgtctt cagatcccga ggcataggat 360
 aaaccagtgg gagtaaactt aacgcagtgt actggaccgt gatgt 405

50

<210> 707
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

55

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 tcgacctcac gttgttttcg ttgacggaca ctgcacgacg cagctagaag aaacatggac 180
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 agactgcaag ggagattcag ctcaaatct gtggcaaaac ccggacgata aaaggactgc 360
 60 gaggatatca gagtttggtg aaatgatcag agcagctttc ggggt 405

5

<210> 708
<211> 405
<212> DNA
<213> Arabidopsis thaliana

10

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

15

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tttggaacg tcgtaaggaa cttgtgagat tatgggtgaa accttctcag atgcgtggac 180
20 atgtctggct tgaagagcaa gtttctcctg aggaagggtga tgattctctt cctcctataa 240
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25

<210> 709
<211> 405
<212> DNA
<213> Arabidopsis thaliana

30

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

35

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gacggaatgc aagaaaagga ctgggtatct ttggctgcag ttcacagtga ttcattggctg 180
ctttctgttg cattttactt tgggtgcacgt ttcggtattg gcaagaatga gaggaagagg 240
40 ctnnnccaga tgattaatga gctgccaacc attttcgaag ttgtgagcgg caatgcaaa 300
cagtcgaagg atctatctgt taacaacaat aatagcaaaa gcaaacctag tggcgtcaag 360
tctcgccaat ccgaatctct ctcaaagggt gcaaagatgt catct 405

45

<210> 710
<211> 405
<212> DNA
<213> Arabidopsis thaliana

50

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

55

<400> 710
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attgggaaag gcggagtcag ttcaaagcan ntatgtcgtc agacgggagt aaaattatca 120
attcaagatc acgagagaga cccaaacttg aagaacattg tgcttgaagg aacacttgag 180
cagataagcg aagcgagtgc aatggtaaaa gatttgattg ggaggcttaa ttcagcagct 240
aagaaaccac ctggtggtgg tcttggtggt ggtggtggca tgggttctga agggaaaacca 300

5 catccagggg gcaacttcaa gactaagata tgtgagagat tctcaaaagg aaactgtaca 360
 tttggtgata gatgtcactt tgctcatggg gaagcagagc tacgc 405

<210> 711
 <211> 405
 10 <212> DNA
 <213> Arabidopsis thaliana

<220>
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 15 <222> (1)...(405)
 <223> n = A,T,C or G

<400> 711
 20 ccacgcgtcc gtggcgattg atacgatata aaaaacaaaa aagcttcggt ggggagaaat 60
 tgacgaagaa gaaggcgact atgatttcct tcttcgcgct aagcagatga ttagtccgga 120
 caaaaacggt gtaaagaagg tgattgagta caaattcaac gaagaggaca aaaagggtcaa 180
 aatcactacc acgacccgtg ttcagaagcg agctctcacc aaacaagccg nggagcgacg 240
 gagctggaat aagttcggag acgcagctca tgaagaatcc agtagttacc tcacaatgcg 300
 ttcaacagag gatatcatct tggaacgaat tagagctcct ggtagcaacg cggaacagtc 360
 25 gaccgtatca ggagatagca tgtctcagtt gggcaaaccg ggtgc 405

<210> 712
 <211> 405
 <212> DNA
 30 <213> Arabidopsis thaliana

<400> 712
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 atcatctaag aaacgccgta tcatcttcac tgaatcttcg tctgataagt cttcttcgat 120
 35 tttagcttct ggtagtagca ggggttttca cggcgatagc gtcggttcagc aaatcgacat 180
 ggcttttggg aattcgaacc gtcaggagat tgatgaagat ctgcacagtc gccagctcgc 240
 cgtctatggt cgtgagacta tgaggcgtct ctttgcttcc aatgttctca tctcggggat 300
 gcacggtcct ggtgccgaga ttgccaaaga tcttataact gctggtgtga agtctgtgac 360
 cttgcatgat gaaagagttg tagagctatg ggacttatca agcaa 405

<210> 713
 <211> 405
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 713
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 caaaatctcc atgctttgaa ctaagcagaa ttcacatcgtt cttttatctc tttcataatca 120
 aaccaaagga ttgatctatc catatcgtcc aaaacctata tctagctaag cctagaactt 180
 50 ctctatcggt taccactttc tttctatatt tcttctgaat ttgtaacatc agaagtaata 240
 atgattccaa gtatggaggg aggcgggaag actaacagag aagaagagga ggaggaagag 300
 gaagaagaag aagaaggtga agagagtaag gtttcaagca atagtacagt ggaagagagc 360
 gacaagaaga ctaagggttag gccttatgtg agatctaaag tccct 405

<210> 714
 <211> 405
 <212> DNA
 55 <213> Arabidopsis thaliana

<400> 714
 60

5	cctttatttaa	agaccatcat	gtcttccact	tctttcaccg	accttcttgg	ttcttccggc	60
	ggtgactggt	acgaagatga	tgaagacttg	agagtttctg	ggtcgagttt	tggtgggtac	120
	tatccagaga	gaaccgggtc	tggtttacct	aagttcaaga	cggctcaacc	accacctctt	180
	ccgatttcac	aatcttctca	taacttcaact	ttctccgatt	accttgattc	tcctctgctt	240
	ctcagctcct	cacacagttt	gatatctcca	acaacaggaa	cgtttccatt	gcaaggcttt	300
10	aatggaacaa	caaacaatca	ctcagatttt	ccctggcagc	tacaatctca	accatcaaac	360
	gcttcttctg	ctttgcaaga	aacatatggt	gttcaagatc	acgag		405

<210> 715

<211> 405

15 <212> DNA

<213> Arabidopsis thaliana

<400> 715

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20	cttcgtattg	acccattggc	agctgacgct	ctggtttaata	gaggggaatac	ttacaaagag	120
	atcgggagg	taactgaagc	aattcaggat	tacatgcatg	ctataaaactt	ccggcctaca	180
	atggctgaag	ctcacgcaaa	cctggcctca	gcttacaagg	atagtgggca	tgtagaagct	240
	gccattactga	gctataagca	ggccttgctt	ctacgaccag	acttcccaga	agcaacgtgt	300
	aaccttctac	acaccttaca	gtgtgtatgc	tgttgggagg	accgtagcaa	aatgttcgct	360
25	gaagttgaaa	gcattattag	gaggcaaata	aatatgtcgg	tcctt		405

<210> 716

<211> 405

<212> DNA

30 <213> Arabidopsis thaliana

<400> 716

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	acagaatgta	cagtgaagctt	gtgtcaacca	acattactga	gggaggacca	tatgcttcca	120
35	agacatcttt	tgtaaaactc	ttaagatcgg	ttaagaggga	aacacttaag	ctgatagaaa	180
	cctttttaga	caaagctgaa	gaccagccac	acatagggaa	acaatttggtg	ccgccaatga	240
	tggaatcagt	acttggtgac	tatgcgagga	atgtgcctga	tgctagggaa	tcggaagtgc	300
	tttcaactctt	tgcaacgatt	ataaacaagt	acaaggcaac	aatgttagac	gacgtgcctc	360
	acatatttga	agctgtattc	cagtgtacat	tggagatgat	aacta		405

<210> 717

<211> 405

<212> DNA

<213> Arabidopsis thaliana

45

<400> 717

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	ctagaaatcc	attgatgcaa	aggaagaatt	caacatctgt	tgtgtccaaa	caacaacaag	120
	gatacagaaga	agaaagagga	cttattaacc	aaaagattag	agagaaaaat	gaagctgtaa	180
50	ctatgtctga	gctcactgtt	tgtcttctca	tggaccgttt	tgctccttgg	tgatctttcc	240
	atacccaact	acttctagat	ctcttctttg	gtgatgtgta	tatatatatc	tagaaactac	300
	atgtagtatg	tctatatatc	agattttggt	tgtgcagacc	atgtttttta	gtttccttgt	360
	aaacctgtga	aagtaatgtg	tttggaacaa	tatttttatt	acttt		405

55 <210> 718

<211> 404

<212> DNA

<213> Arabidopsis thaliana

60 <400> 718

5 tatcaagttt gcaacaacat ttattcacca ccacacataa gagcacattt aaggtgaaaa 60
 gactcggggc aacaaaggat ttattaaaac accaaacata ttttagcaaa ataggtaaga 120
 gagaaaagca aatcaagcag cagcaacaac tgtcttgtgc ttctcgagat tggcaatgat 180
 ttcttctttc gcagcaccaa ccacagtctc cttgatctct ccttctttca tgaagataaa 240
 cgttggcatt gcttgaactt taaactcctc agcaacagtg ttcaattcgt caacatcgac 300
 10 cttgaagaag actacgtcga ggtgcttctt ggctaagtca gcaaagacgg gtgcaatgaa 360
 acggcaaggt gggcaccatg ttgcagtga gctctatcaca atca 404

<210> 719

<211> 404

15 <212> DNA

<213> Arabidopsis thaliana

<400> 719

 gagcggccgc cggggcaggt actcgtatag atcaaacgag atcgtcttca agataatcat 60
 20 acacggagat actaagtttg tcctcctcct ccatattcgc catggaagat ctctcttcac 120
 aatcaccact cccagacaca gcaccatgga atccggcgctc cacggccatg cggcgctcgg 180
 aagcagcttt ttggatggac ttaggagata tattggaggc gagggagggt gtaagtaagt 240
 gagggaagtt aaaagattcg tcgtcgaggg aagatggtcg gtgcaagcag taaaaagcga 300
 cgctcgtgggc tacggcagcg ccttctgcgg tggagaaaga gcctaaccag agacgttgac 360
 25 gagttcccgg gacacgaatc tctgataccc attttcccca tttc 404

<210> 720

<211> 404

<212> DNA

30 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1) ... (404)

35 <223> n = A,T,C or G

<400> 720

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 cgggtngatt tgatccatta gccggaggag aagagtcctg ttttgcggc ttgagtatga 120
 40 cgaatctaca gacaggacat tgccttttgg tctttaacca tggaactata cattcctcgt 180
 gaaacatgtg tttgcaagga gtgagcatca ctgtttcctt gggctcgaag tcttctaacc 240
 acacggagca tcttttgcg tcttcttcac ctgagagatt ttgagtgttt cttgannnnn 300
 cgcttcccgg gtttttgttt ctgtagtata agctcaggct tctgagaagg gtgctttttg 360
 gaactggggt atatgtttct tttgttagat gtttgaggat ctcg 404

45

<210> 721

<211> 404

<212> DNA

<213> Arabidopsis thaliana

50

<220>

<221> misc_feature

<222> (1) ... (404)

<223> n = A,T,C or G

55

<400> 721

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 ctgagaggaa gcttcaccct gaaaagttta agaatcagct ggtaatcag agtacgtatg 120
 taaagcttgg ttgcacgcaa ggatggtttt gtgcctctct tttccaccct gcttcacgga 180
 60 atatagctca gcttgccaag gttaagattg caactagaaa tggccagtgg caggacctcc 240

5 acataccaca tagcatcagg tccattgtat gtctgaatct gccagcttt tcgggaggat 300
taaattccttg gggcacacca aatcccaggn nacaacgtga tagaggcttg actccaccat 360
ttgtagatga tggcctcatt gaggttggtg ggtttagaaa tgct 404

<210> 722
10 <211> 404
<212> DNA
<213> Arabidopsis thaliana

<220>
15 <221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

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aagaccacca tcttntcctc ctgacccttc aggacgtccc tcaccatttc caccaccgcc 120
accactgcct cctccacgtg gaggcattgt gccgccactg tcagtatcat aaaagtcttt 180
cttctgtatc tgctctcgca acatatcttc aaccgatttc ttccccatag ctttctctat 240
tgctttccat ggcgatatct catcactacc atcaggttta tctttccac caaataagca 300
25 cacagcagaa ctttgtttcg atttcccagt aggtaaacga cggcgatgat caagaagagg 360
cgaaaactga gtagacactg cagacctgcc cgggcggccg ctcg 404

<210> 723
<211> 404
30 <212> DNA
<213> Arabidopsis thaliana

<400> 723
35 cttttttttt tttttttttt tttttttttt tttttttttt tttttattat tgtaacttc 60
tttttattaa gaactctcct ttattaattg ggacaaagca aacttgcaaa tgaaaaaaat 120
cagaaggaaa caagacgtaa ttaaaatttt acaaacatag atatatgact attgattgca 180
tgcatgaacc attgattgat caacacacac aagtttcaaa tttattacaa taaaacgcaa 240
acaatacttt gaaaatgatg agaaagcttt ctctgcttgg attctctctt tcactctttg 300
tttctcttat tacaatcacc agtactggtt tcgtcttgct tttgtcttct tgtgtacatc 360
40 gtgttctccg tgatagagat atctaatagt ggtcggacgc gtgg 404

<210> 724
<211> 404
<212> DNA
45 <213> Arabidopsis thaliana

<400> 724
50 cttttttttt tttttttttt ttttaggttt aactttttat taatggggat aattttgggt 60
tcgaacaaga gagcaaaaaa gataaaaactg taaaactgct aaagaaaaaa gaagattctg 120
ttggatatgg tgaagaagag aaacgctcct actcaaattc cgaaacaaaa ctcatgagat 180
ttctacagct cgtcctttgc ggccgtttcc tcgggtcttct taggttcctc actcttggtg 240
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tcttcctttg tctgtctcc ttcgtacact acaacatttc cgctcgctga cctgaagtaa 360
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<210> 725
60 <211> 404
<212> DNA
<213> Arabidopsis thaliana

5 <220>
 <221> misc_feature
 <222> (1)...(404)
 <223> n = A,T,C or G

10 <400> 725
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 ctaccgttgc gtcgtgctca gaagggcctc ctttagatgg ccatccagat tctgtgacca 180
 cgattggaat gttggtgaag ttaagataag acattgcaaa ataagcagcg tctangattg 240
 15 catcaaaaac gtttgtgtaa tgtaacaatg tgttggcgctc tacagcttct ttgnnggctt 300
 nnagaggctg gaaaagcgcg tagtcaagcg gtataactcc attggactga acatagtcga 360
 aatacgggta aacgttgagc agcaatggcg atcctgtgga ctgt 404

<210> 726
 20 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

<400> 726
 25 gtacaatgac tccttcttaa tctcagatct gaggcaggac cgatcaaaaag gaggattcgc 60
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 agtctggaac cttctcaact ttcataaggt taaccaaggg atctacttta cttggcagaa 180
 ccagggtggag aacatagcta tcattacgga gagcaactct cgttgatgga gtgagtttcg 240
 ttatgtctat acttttgtca atatcgacaa catacttccc ctctggatga accttaacca 300
 30 agaccttgtt ttttcccatc acttttacca cttcaccac ataggaccca ggttcttgaa 360
 ggagctgtaa ctcttctctg agcattccta cctcgccgcg gacc 404

<210> 727
 <211> 404
 35 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 40 <222> (1)...(404)
 <223> n = A,T,C or G

<400> 727
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 45 ctcgatcata catccgctga aattcctctc tgtattcagt cagagacttg tcagggtatgg 120
 ctggagtcag ctccaccaca tctcccatct tcagcttgca tttcagatca cttacagggtg 180
 tctggttaag tcttggcctt agctcttctt ttgccgggat gctgtacatt gaccatctcg 240
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 gcacagtcat cttctcattt tcgnnnacaa tcacatagac tggtnnttct tggttaccac 360
 50 taggcttata tgaaaacgga cagtcttctg cgtgagacgg gaaa 404

<210> 728
 <211> 404
 <212> DNA
 55 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(404)
 60 <223> n = A,T,C or G

70049.6404.653

5
<210> 732
<211> 404
<212> DNA
<213> Arabidopsis thaliana

10
<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

15
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actggtgatg cacacctagc agagcagagg aagactatag gcatgagatt agttgctgcc 120
tctgnangca atcacttgge ttgtgcccc gcatcaatga agaggttggt agcattgagc 180
20 agtcgattgg cagtcacatc taagatgaag ctacgaatct cctctggctg accggcagtc 240
tcagccaatg tcacctgctt ggcaaatgca tcagcagcgt caaacagacc aggatcgata 300
ttacgtagac catcagtttg aactggccct gggttgactg tcagcactcg tacattctgc 360
tgtgccgctt cgggagctac actacgagta tagttgtcta cgaa 404

25
<210> 733
<211> 404
<212> DNA
<213> Arabidopsis thaliana

30
<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

35
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aaatacaatc ctctaggagc atattcattt gatcaaatac ttacggctac ataaaacttg 180
gacaaaactt attttgtttc agtagtagat ggtaacaaag ggcttcctta aaaagctcaa 240
40 catttgactt ccaatcactc acatagacca cacttcctta agaagctcat atcttgaaat 300
tgtcacccct ggccctattt tctcagcttc ctgcttcaca ttctgcccct gtgcggaaat 360
tggtgacagc gatacgtttt caatgatgga tgtaagagga gaat 404

<210> 734
45 <211> 404
<212> DNA
<213> Arabidopsis thaliana

<400> 734
50 tttttttgaa aaatcgccct aaattatgat caaaatagac taaaagaaat acaatgatat 60
ggccactggc cagttctctt tctcacctcc taaaggagcc aagtacaaat tgaattaagg 120
gtagtaaaaa aagaaagtta acaacaaaaa aaatgaattc aagcaatcct acaaaatggc 180
caagttctag tgaaaactaa atttggtaaa aattaacaag tcacactgag gatgtatcga 240
tgagaacatc gtttagcaca tcatcttcgc cattcgccat agcgagcagc tccgcattctc 300
55 tctcttcttc gttggagaag tctctccttt cgaatttcga gttagcggat ataaagatca 360
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<210> 735
<211> 404
60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 735

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aaaactttatc	attattcttg	caaacgcgta	taagagcagc	aaattcattc	aaaggaggaa	120
10 catagactcc	ttagaatacc	tgaacacaat	aggtttactg	atgaatatga	aacaattatt	180
ctgaaagtct	agagaacaag	cttatttcctt	cttcaagggtg	tcttcaactt	ggggcgcgat	240
ggaagcaact	gataacaaga	gataagttag	gtggtaaacc	cgaaagcacc	agtgcacga	300
ggactaatcg	tctttggagc	taactgaagg	agaccaatgg	ctacaataat	gtccatgctt	360
gatttaatca	aagctagagt	tctgtcgttt	gatttctgaa	gctt		404

15 <210> 736
<211> 404
<212> DNA
<213> Arabidopsis thaliana

20 <220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

25 <400> 736

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ggagagagag	aagaggataa	tcgtgcagtt	tctattgcag	cacgtggaga	aactccacgg	120
ttgagattgc	tcgatcaagc	tttgccggcaa	cagaaatcgt	atcgccaaat	gactcttggt	180
30 gacgctcatc	cttggcgncc	acaacgcggc	ttgctgaac	gcgcagtcac	aacgttgaga	240
gctnggctct	ttgaacactt	tcttcacca	tatccgagcg	atgttgataa	gcatatattg	300
ncccgacaaa	ctggttttatc	aagaagtcag	gtatcaaatt	ggttcattaa	tgcaagagtt	360
aggctatgga	aaccaatgat	tgaagaaatg	tactgtgaag	aaac		404

35 <210> 737
<211> 404
<212> DNA
<213> Arabidopsis thaliana

40 <400> 737

ggagttcatt	aatgaagtca	acacattggc	gtcgtgcaa	caccagaacc	tttgtaagct	60
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tctgggcagc	ttggaccgtt	tactgcatgg	gagatcagat	gggcctcctc	ttgattggaa	180
cactagaatg	aagattgcac	tatgcgcagc	tcagggtcta	accttcttgc	acgaagaagg	240
45 cccttttcag	gcaatgtaca	atgaattttc	gacggcaaat	atccaagtcg	ataaagattt	300
cagcgccaag	ctatcaggat	acggttggtg	aggccatgcg	cctgagacag	agacatctaa	360
tagttcggca	cttgctaatc	tctctgtcga	gactctagag	agag		404

<210> 738
50 <211> 404
<212> DNA
<213> Arabidopsis thaliana

<400> 738

55 gccgctactc	aacggtggtg	aattttctac	acggtcagtt	cgatcctctt	tttatcgaca	60
atcctacaca	aatccataat	catggccgcc	actgcttcct	ccgaagcttc	tgaaggacca	120
gtgatgggtc	tcatcaacaa	gcgtctccgt	gctctccgta	agaaatacaa	tcgaatcact	180
caaatggaag	aatcgatttc	tcaaggcaaa	accctaaaca	aggagcaaga	agaagtcttc	240
cgctctaaac	ctgccgtcgt	catacctaac	gacgagcttg	aaaagatccg	tgctcctctc	300

5 tccgccgctg tgacagagga aatcagcctc gctactcagc ttaaccgtgc ttcacccgat 360
 caaaccaccg catctgagca aaaggaagtc actgatatcc cgca 404

<210> 739
 <211> 404
 10 <212> DNA
 <213> Arabidopsis thaliana

<400> 739
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 aatacagaag gagatgggag tgttggaagt gatcttgaag gaatccgtaa gccaaagaag 180
 atgaagaaga tgagaagcag gaagagtgat gataaagaga cgaagaagaa gaagaaaaag 240
 tattggatgg gttgtctcag agctgaatca gacgaaagtg gaaacgtcga tttgactgtt 300
 gatttccttg gcgaacgcac tgagccgact cacctagtcg tcatgggtcaa cgggtctcatc 360
 20 ggcagtgttc agaattggag attcgccgct aagcagatgc ttaa 404

<210> 740
 <211> 403
 <212> DNA
 25 <213> Arabidopsis thaliana

<400> 740
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 atggataaaa cggatcattt cttgccactc ttcttaagtc cagaacctcc aaaggatccc 180
 ttctgcgatg ccttggtctc aagctcttta agggcctttt cctcatcttt cttcttctga 240
 atgttagcta agtcagtctc gtcgtattcc ttcttatcag ctttaggctg cttcaaaggt 300
 ttcgcccttt ctccttgctt ggaagacatg attggttcgt tgagctaggg ttcgatgttg 360
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35 <210> 741
 <211> 403
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40 <400> 741
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 aacagaaaaa tttgagagta aaggcacata ataagacaaa gaagaggtaa aataaagtct 180
 45 agcaagcctt acagcttcgc ctgcaatagc caggaagctc tgtagttcca accatgtact 240
 ctggattctt tgtgcattcc ccaagaactg cccatctctc acagctctcg ttcatatccg 300
 tgcagtttcc gcttggtgtc acgatcctat caaatgagtc tacgtggatc cacttggttg 360
 ccgaccattt ctctccttct atcacaggac atccaccgtg aag 403

50 <210> 742
 <211> 403
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55 <400> 742
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 ttgaataacc ggcatagaac ccacctccaa caacgaccag aatcccattt ttttatgttg 180
 ttcttttagac taatgatcaa gggattatat attatggctc aagctctaat ctcttcttct 240
 60 tcttctttct tctttcttct gcagttatct gcagagaatt aataagcaga agaagcagaa 300

5 tgattaaaca ataatttgtg gaattgagac atgccagagt tttgagtatt ttgagacccg 360
 tatcattgga gtagtagcac gaacttgtac ctccggccgcg acc 403

<210> 743
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 10 <212> DNA
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 ggttttggag actatggctg gtggaacga agtcaacctt aacgaatgca agagaattgt 180
 cccactcaac acatgggtcc tcatttccaa tttcaagctt gcttacaaag tcctccgtcg 240
 ccctgacggg tctttcaacc gcgacctcgc tgagttcctt gaccgtaaag ttcccgccaa 300
 cgctttcccc ctcgacggcg ttttctcctt cgaccacgtc gactcaacaa ctaaccttct 360
 20 caccagaatc taccaacctg cgtctctcct tcacagacc cgt 403

<210> 744
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 25 <213> Arabidopsis thaliana

<400> 744
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 tcaatgcaga gaaccatctc acttgcggtt gctaaagtctt cttcttcgac ttcagttctg 180
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 tcttctctt cagtagttcg ggtcgataga gtgtatagaa atgtatccca gcttcagttt 300
 aaaagagaaa attcaagttg tcttaagtta gcttgtgcac ttccttcgca tctaagtctt 360
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<210> 745
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 35 <213> Arabidopsis thaliana

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 <223> n = A,T,C or G

40 <220>
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 <223> n = A,T,C or G

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 ggaggaaata tggtaaaaaa gttgtcaaag gaaatactaa tccaaggagc tactacaagt 180
 50 gcacattcca aggttgtgga gtgaagaagc aagtggaaaag atccgcagca nnngagagag 240
 cagttctcac tacctatgaa ggaagacaca atcacgatat cccaaccgcg ctacgtcgct 300
 cgtgaaatta ttgggactta gtcactagta atatgattta ggctttctaa aaacaaaaaa 360
 tcttactatg gcttatcttt tgtgctcatt cacagtttgt tta 403

<210> 746
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 55 <213> Arabidopsis thaliana

60 <400> 746

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 atgttaaatt tcatgttcat cagaagatca taattagtag taagtaggtt cagacgtgta 180
 gaagaaagga ccagcccagt aaagcttgaa gctcttgtct tgaagaatac ggtacgtgct 240
 caatggctgt cctctaacac ctttgttcac atcggtcgga aaatcgcaat cagcgagtgg 300
 10 agatttgtaa aggtaagttt tgcatttggt cactgtcctt cctgcacgaa gctgcgaagg 360
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<210> 747
 <211> 403
 15 <212> DNA
 <213> Arabidopsis thaliana

<400> 747
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 cgtcaagggtt gggactgcag ttgttactgg gaaaggtgga agattggctc ttggacgttt 180
 aggagctatc tgtgaacagc ttgctggagt aaactcagat ggatttgagg tcatcttggt 240
 gtcatctggt gccgttggtc ttggtcgaca aaggcttcga tacagacaat tagtcaacag 300
 cagttttgca gatttacaga agccacaaat ggaacttgat gggaaggctt gtgctggtgt 360
 25 tgggcagagc agtctcatgg cttactatga gactatgttt gac 403

<210> 748
 <211> 403
 <212> DNA
 30 <213> Arabidopsis thaliana

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 35 tctgttcgtt cctgaagaaa tttgttggat caatcttccc ttttaacaaa cccaatctct 180
 tgaaattacc tttgaaatac atctcaccoc atttccttgc atcttcgaaa ctogtggttaa 240
 tccctttggt cgagcccaaa tcaagatctc tgtaattcaa ataagctcct ctgggcgatt 300
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 tctcctcgac ttcattcact ttccatttca ccatgtacct cgg 403

<210> 749
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

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 cgggtcccaag tgagactaac aaagcctccc ctttgttatg agattcttct tcttcttctg 300
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 taaacttttg ttaataatgc catcttcttt aaccacaaaa aaa 403

<210> 750
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60 <400> 750

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caaacctata cacaaacgca aacaaatgtt cgaaacacta atcaaatttc acagtctctc 180
catcgaaaag actccaaagt tgatcaacgt caaaagccaa ggtgtccccc tttctgttg 240
tcgtcgcttc aggaaccaa atattctacct cttggcttct ctctaggaat ttctetaacc 300
10 acatattatc tccatcaatc aaattattca ctagtgggtc tttcttctta tctttgttgt 360
atatgatact attgtcacaa acattattga tgtaagtcc aag 403

<210> 751

<211> 403

15 <212> DNA

<213> Arabidopsis thaliana

<400> 751

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gccagctaca acggtccaat gccaccagcc aaagccgggc gtatcacaaa cgcatacgtc 180
tcttccttcc cggttcacag atcacctca ttgtttcttt gcttttagta taagtagttt 240
acttttatat gatcaaaatg cgaaagaata gttgctttct caaacttttc cacatgaaaa 300
agggttccaa aagagaaccg tatttcaaaa aaaaaaaaaa aaaaaaaaaa 360
25 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 403

<210> 752

<211> 403

<212> DNA

30 <213> Arabidopsis thaliana

<400> 752

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35 gatgctctct tccctgtcca aagcaactct gaatatattc cagctgctac tctcatctac 180
ataccacaag ttttgttggt tcaatcagac cagagaaaaa ttagagaaaa aaatttacag 240
gagaaagtac tggtcctaag ttcttggcct ggtcacaccg gcctttctat atacactctt 300
tttgcaatcg tcaatctgtt tttctactac ttcaagatgc ataggagaca cgagtttttg 360
40 tgtttccttc gctgttcttc ttccagcccc atctcctctt atg 403

<210> 753

<211> 403

<212> DNA

<213> Arabidopsis thaliana

45 <220>

<221> misc_feature

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<223> n = A,T,C or G

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<400> 753

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55 tgtgacaagg gccttacagg atattgatgg agtttccaat ttaaagggtc aggtttctga 240
aggtgttgcc gtcgttgagc ttttgaagca aacaacggtt caagcaacag gagtggcgctc 300
aaacttggtg gagactatac aaggagctgg atttaagtta cagannttga atctgagttt 360
tgaagatgac gatgagggtc ttgtctagtg aaatcatcct ttt 403

60 <210> 754

5 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

<400> 754

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 attagctctg aacttcattg aatttgaaga cacagtcata gagccgtcct ccgagaaact 180
 ctgctacttc aagatgcttc accattccaa tcttgagaga atcacacttg aactgagcat 240
 aaaggtttgg ctcaattcca cgacccatgc cttctacgat gactaagtcg gcatcagatg 300
 15 aaaggtaagc aagctcctgt gatactcttg agagatcgat aactggtaag tcattccccg 360
 aatttgcaat cagaagcttc gaagtatcaa cacctagcaa ttg 403

<210> 755
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 25 <222> (1)...(403)
 <223> n = A,T,C or G

<400> 755

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 aagaagaggt tcggttaata ctaagtctct gaaagagcca atgagggtctc ttcttctctc 180
 gatccaacga cgtcgtactt gagctgctca taggcgtggt tggcccgcta ctttcttggg 240
 tattattgct gttattatat agattattat tgctctgatt attacaatta tccgatgatg 300
 atctcattga cgttgttgac gagtagtcca tgtccttgtt cgttgctcgtg gtcatagtag 360
 35 tagatgaaga agacaatcca atgctcaatg tcaattcagag ttc 403

<210> 756
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

<400> 756

45 ttttttttttc ttttttttttc aatccaaaca aaatgcatta ttatatattaa tttattttttc 60
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 ctaaacaaga ccaatgtct caaagagagg tgctatagaa cttggtggcg aaagaaaggc 180
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 taaccacaata cgtcccaaac tttggctttg gagatttcgg gtcattatct ccaaacagta 360
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50 <210> 757
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 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 757

60 tataacccga gatccttcgg gtattctcag ttcttgggaag aaagggtaccg cttgttggtc 60
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 agccgatgtt gctggaaagt tctctccgg cactctctcg ccgtcgttgg ctaaaactcaa 180
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5 cctttttccaa ttaccaaatac ttaagtacgt atacattgag aataaccgtc tctctgggtcc 300
tcttcggtc aacatcggtg cgctaagcca gcttgaagcg ttcagcctcg agggaaaccg 360
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<210> 758
10 <211> 403
<212> DNA
<213> Arabidopsis thaliana

<400> 758
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gcagtagata acgcccgcct gtcagcatta acctctaaag gctatacact ctcaactctc 240
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20 atccgtgacg gctctgctct cgccgctact ctggttcaag ccaccggagc tgctcctgga 360
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<210> 759
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25 <212> DNA
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<220>
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30 <222> (1)...(403)
<223> n = A,T,C or G

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aagagtctcc caaggatact gtgaaaggat tgtaacaac caatcgtggt gaggcctcaa 360
40 gcttgatgaa gatggagcgg aggtgtagct taagcaatgg tga 403

<210> 760
<211> 403
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45 <213> Arabidopsis thaliana

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gttatcctca gtatggtgca gaaagctata attaccctcc tccaccttct tatgcccac 300
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55 <210> 761
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<213> Arabidopsis thaliana

60

5 <400> 761
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 agcatagggtg gcattcggtc cggcatcctt gggttcttca ctgatccgct cctacgtatt 180
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 10 cttccacaag cttcttttagc caaagcatcc tgcaaccgat tctcttcttc ttttaagagac 300
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<210> 762
 15 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<400> 762
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 aatcaatcaa attacaccaa tattctcgat ttgggtttct gtaaaagaat caactatata 180
 aaactcaata tagaggcacc ttctgtgtca gagaccagct gaaaccaaac catgcaatgt 240
 tacaattcca atcaatgtgt tgtcttcatt gaccactggg agaaactgta caggcgatgg 300
 25 cgggtgattcc atcttcttca tagcttcaac tgccattgtt tccgggtcaa ttgtcctcgg 360
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<210> 763
 <211> 402
 30 <212> DNA
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<400> 763
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 ggatatggcg gctgataata cgggttcgaa atcgagctcc gctgcggatt cttacgttgg 240
 gagcttgatt agtttgacat ctaagagtga gatcagatac gaagggatcc tttacaatat 300
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<210> 764
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 45 <213> Arabidopsis thaliana

<400> 764
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 50 atgatctatg aagatccaac aaggatccaa gaagaagaag acattgttca agaagtttca 180
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 tctgatttta cagaggatga tgatgatgat gatgtttctt catcttcttc aaatggacct 300
 cttgaagatc tctctgacct catgtcacac ctccctatca agaggggatt atcaaagttc 360
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55 <210> 765
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 <212> DNA
 <213> Arabidopsis thaliana

60

5 <400> 765
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 atctattctt gacttttaat actcaagtac gagcagactc aagtgcagag atgagaagcc 240
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<210> 766
 15 <211> 402
 <212> DNA
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<220>
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 <222> (1)...(402)
 <223> n = A,T,C or G

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 tctgcattac accaaccaat atacgaaaag aagttattgg aacaagggtta agatatgaat 240
 aaaccttggt ctaccatgaa ggaatactcg tcagggtcag gcagccgctc atttccatac 300
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<210> 767
 <211> 402
 35 <212> DNA
 <213> Arabidopsis thaliana

<220>
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 40 <222> (1)...(402)
 <223> n = A,T,C or G

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 aatcttgctt tctgattcag attctgggtt ttcttcagaa ttcccagaga agttgttgga 180
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 caatgaagga acaattggag atttccttgg aagatactgc aacaaccctc aggagatttc 360
 50 accgttaact ctacaatcct tctctctgaa ttctcagatc tc 402

<210> 768
 <211> 402
 <212> DNA
 55 <213> Arabidopsis thaliana

<400> 768
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 60 acgatgagcc agagcgagag gtacctagga agcagctata gttacgggtga cagtaacgga 180

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	cacagcccgg	agatgctgga	atctcatgga	gcgtggaaca	cacgcgatgc	tgtggtgagg	300
	aatgggcgcg	tgggtgggtg	tttgctcgctg	gcgtttgagg	acgcgtcatc	ttcgccgagg	360
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5 gacgaggctt gaagttcagg ctgatgctgc atacgtcgat cttagatcgc gatgtccata 240
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5 cttgcattcc ctgttatattt gattggcggt ttgttccttc tctcgagaag atcctctggt 240
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gttcataaca tgaaatttgg gacgaatgca taataatgaa cagtcaaaca tagaataaag 180
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gtccttcata agttgccatg tcttataact tgcgttgcta ctccatgtgg agccgttcaa 180
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aacgacccaa tgcataaata taatcaagca gcagcgagtt gcttcttggt gtggtgagta 180
gataaagagt ctctctcggt tggatacatc acaagtttcg tcttagaaga gattttgaat 240
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55 <213> Arabidopsis thaliana

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gtaaatgagc ggacaactcc tcgctccctc aaagactttt ggaattctgc aatcttccat 360
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tacacaagcc	acccatttga	tcatattccc	aacacagatc	aaacccacat	agaaactcgt	360
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 10 agtctgcatt tcattggaac tactccaaac ccttatcaac aagctatttc catcattgga 240
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 ctctgcacgc tgagaatgtg ccatctgctg ttgctgcggc tgcacctcag ggcttgacca 180
 25 tttcccggaa agagctacat ccatcatctc atatatcttc ccaccagct ctgctggatt 240
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55 <400> 795
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 aaaaaaaggc aagaatatac atatgtatag tatgtacaaa gcattaaaac gaaacgatta 180
 caaacttagg gaagaaagcc gatgatgtaa tgggaagaag gaggattagg ggaggcagag 240
 tatgagtaga gaccatggcg gagtagagcc ggaggagggt gagaagattg ccttaagaag 300
 attgtgacgg cgtcagccac caccaccaag aactccattg ttatcttcgt aatctctatg 360
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15 cttaaagacac aactcaacca gatttctcaa tgaacctcag tgttttctcc tcgggtttga 240
gttgaaacaa agccacttta tggcaaagat gatatacctt ggggagattt ctccatccaa 300
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tctctcttct tctctctcgc tctcagtttt ntgggattgt ttctttaaaa ggggttctta 180
gggttttagtg aagctataga tttcaatttc atacatagtt aacgtataga aggaatcttg 240
35 gggtgatcaa tggaagggtg tccaagaaac agagaaatcg gtccaaaact tcttgatttg 300
attccacaag gaaggaaatg gnaccaagaa gacaagaaca acacagatca ggagaagaaa 360
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40

<210> 798
<211> 400
<212> DNA
<213> Arabidopsis thaliana

45

<220>
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<222> (1)...(400)
<223> n = A,T,C or G

50

<400> 798
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cacgagctta aggctcagcg gagagccgcc gccgccgctt ccggtggaga tggaaaatca 180
tccggctctg ctcttggttc ttctaacgca gctacgtctg cgtcttccaa atcctctgca 240
tcggacgctg ctgctatcgc cgattcaaaa gccctaaccg acgaaaacct aattctcccc 300
55 aggcaggaag tgattcgtcg tttgagattc cttaagcagc cgatgactct cttcggagaa 360
gatgatcaat cgcggctcga tcgactcaag tacgttttga 400

60

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<211> 400
<212> DNA

5 <213> Arabidopsis thaliana

<220>
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 10 <223> n = A,T,C or G

<400> 799

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15	agtcgaccag	gagtcaggtc	gagcagttga	ccagtcgaca	gtcgagtcaa	cagagagaaa	180
	tgcaactcat	cgatcaagcc	atcaatcgac	tgaacgggtc	gaacgacgac	aagctgacgg	240
	cgtgtcagtc	gctgttgact	catctgtcga	ctgtcagtc	ttccacacca	tctcatgttg	300
	cgtgtgttga	cctgctcgag	cactggctgg	ccctccttca	agagcnnntc	cacctcctc	360
20	ccccctcctg	ctccccctc	ctctctcccc	actccctcaa			400

<210> 800
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

25 <400> 800

	cggccgcacc	cacatcaaaa	gatctctcat	ttattcgttt	cgtttctgct	gttttgagtg	60
	tcgggttcgt	tttagctgta	atcttttttt	ccggcgttcg	atttgaaaaa	atccggggaa	120
	caggtgatcg	gaatcacggc	tatacacggg	atatcacggg	gtgttagctc	acatgtccat	180
30	attgtccgac	agaagggttg	tttaatcgaa	actaatcctt	tgccgcacgg	aggacgtgga	240
	gctctgccgt	ctgaaggcgg	cagcccttcc	gatctcctct	ttctcgccgg	tggcggttcc	300
	agctttaact	tcttttcctt	taggttttag	gagttagggt	ttgttagtgt	tttttccttc	360
	ttcttttttt	ggtgctcttg	aatcgctttt	ttcttggggg			400

35 <210> 801
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

40 <400> 801

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	aatgaagctg	gtacgtttgc	aagaaacggg	cttggtggaac	aaataagcat	gacttgggac	120
	aaatctgact	atTTTTTgta	tctaacagac	attacaatcg	gttccgggtg	gacatttttg	180
	aagactgggtg	attcacctct	tcttacagtt	atgtcagctg	gacatgctct	tcatgtgttt	240
45	gtcaatggtc	agcttttcagg	aactgcctat	ggaggacttg	accacccaaa	actaaccttt	300
	agccagaaga	tcaaactaca	tgcagggtgc	aacaagattg	ctcttctgag	tgttgagctg	360
	ggtctcccg	acgttggtac	ctgcccgggc	ggccgctcga			400

<210> 802
 50 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

<400> 802

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	ggcagttgaa	aagtcgggtg	actctgtctg	gagcttggcc	gacgggtggcg	ttttggaatc	180
	cgggtggagta	ggaagcggtg	cggaagaaa	gagaagccaa	aagggctctg	agattgttgt	240
	tgtaagtgt	gttacttgtg	taatttgcgg	tatttttgaca	ggtgtggtat	acgtaagtgg	300

5 gatcttgagc agaaactctg aaactcgtga gaaaggagaa gagggaaaagg aagaagaaaag 360
aggagtaata agacataata cctgcccggg cggccgctcg 400

<210> 803
<211> 400
10 <212> DNA
<213> Arabidopsis thaliana

<400> 803
15 ccacgcgtcc gaaaaacgct cgtcttcttc ttcttcttct tcttatatta cttcttcctc 60
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ccctaagaag taatcttcaa gggaaaggga cttaaagatg catacttttg gttacagagc 180
aaatgctctg ctcaacttcg cagtcacggc tcttgctttc atttgcgcaa tcgctcctt 240
ctcagacaaa ttcagcaacc aaaatccttc tgctgagatc cagatactta atatcaatcg 300
gtttaagaag caatctcatg gtaacgatga ggtcagcttg acactggaca tatcagcaga 360
20 cttgcaatca ctttttactt ggaacaccaa acagggtttt 400

<210> 804
<211> 400
<212> DNA
25 <213> Arabidopsis thaliana

<400> 804
30 agtatgggtga tttatcgagt tttctgttcc ataagagaga acacatgagc ttctggatct 60
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tggagttttt gctcctgtgct atttccagaa agtgtagact atgaagcttc atctcaagat 180
cagaccttgc ttctcttagt ttgtcagagt tcgaaacagc ccaattaaga gccggttcaa 240
gatctcgtct cttcatagct tctagtatcc gatacatctc cacgaaagat tgtctttag 300
aacattcaga ttcaccagtt tcagcaacaa aacagtcacc aatgtcaaac attccttgac 360
35 ggtagaaaaa gttggcgata atctgggttaa cgatatgagt 400

<210> 805
<211> 400
<212> DNA
<213> Arabidopsis thaliana

40 <400> 805
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agaacacaca catactcgtg cattcttatt attcagtga gaatagttct aaagcaacat 120
taactagaga agcatggatc cacatcacgc attcaccttc gattcccaac ccgcaaccac 180
45 aatctctttc ttagccttgg tggtctcaaa cgactcccta gagaacaaag ccttggcgta 240
gttacgaaca ctggtcaagc tctcagggac agaccagttc ttgtaatgac caagagcaac 300
ctcaagatgg taaagctttg gtgctaaact caaatccact gcagtaatct tctctccagc 360
tacaaaagga ccagaatgtg tcttcaagtg attctccaac 400

50 <210> 806
<211> 400
<212> DNA
<213> Arabidopsis thaliana

55 <400> 806
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cgaaggatta tggactacaa acacaacatc cgtaatatgt ctgttattgc tcatgtcgac 180
cacgggaaat ccactcttac tgattctttg gttgctgctg ctggtatcat tgccaagag 240
60 gttgctggtg atgttcgtat gactgatacc agagctgatg aggtgaaacg tgggtatcact 300

5 atcaagtcca ctggtatttc tctctactac gagatgactg atgaatcctt gaagagtttc 360
actggagcca gagacggaaa tgagtacctc ggccgcgacc 400

<210> 807
<211> 400
10 <212> DNA
<213> Arabidopsis thaliana

<400> 807
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15 aaggaggaaac taattcaagt gtaataactt gctgcattcc aaattgtgaa aaagaagctc 120
ttgcagttgc ggctgccatg gagaagggca ccacgcatcc tattggaaga gctgtttag 180
atcacagtgt gggtaaggat cttccttcta tttttgttga aagcttcgaa tattttcctg 240
gtagaggcct tactgctact gtcaacgggtg ttaagacagt agctgaagag agtagattac 300
gaaaagcatc acttggttct atagagttca ttacctcact tttcaaactc gaagatgaat 360
20 ctaaacagat caaggatgct gtaaacgcgt cttcgtacct 400

<210> 808
<211> 400
<212> DNA
25 <213> Arabidopsis thaliana

<400> 808
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ggatattttt ttttgaaaaa tatgggtctgc aattacaagt aacttgagaa cagagtgcac 120
30 aatagcgaat tgactaagct tagtcagaaa acttgtgtag actccttatt tcttctcttc 180
tgttaaagga gcttgagcgg ctgctgactc ctctgtggt ggctcattg ccggaagaa 240
aagaacctcc ttgatgttca gtgagtcggt caaaagcata gagagtctgt ctattcctaa 300
tccccagcca cctgtaggag ccaaccata ttctaaagca ttacaaaatg tttcatctaa 360
agccatcgct tcctcgtctc cagactgtcg atccttgagc 400

35 <210> 809
<211> 400
<212> DNA
<213> Arabidopsis thaliana

40 <400> 809
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aatatatgtt tcttacggaa gagacaatga ttcttagttt aacatgaact tatctacatc 120
tcgacgttgt ccagtcaaa tgtatttctt tcgaaattgt aatccggttg ttgcattcgg 180
45 ttcttgcca atctgctcat cactgcaagc cttctacca ttctatagag tgatgacaac 240
catcctcttc tagagatatt atgttctca agcgactctg caatctcttt gtcgtgtttc 300
ccctcgagaa cactgcgag agtcacaact gcctcgtttg ttctcttcaa aatgctgctg 360
tcctcttcaa tttcaaggct ttgaagatcg ttgtgcgacg 400

50 <210> 810
<211> 400
<212> DNA
<213> Arabidopsis thaliana

55 <220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

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 gtatagatgc aacgggtctaa gcttctcgct atgtatgaat gccaaagcaa ttgcaaataga 180
 ttgcagacta gtcaactttg cttcgaattg aactaagtag agtcctccac taacattcac 240
 aatcttttagt cctgtttgtt catgttttga cccctctatg aatagtctga agtactggtc 300
 10 tttccgtggg tggcctttta gaagggtcaa ggaacaacac aaatcccatc ctccacagtc 360
 acaatttctt tgagatttcc atctctctat caaactcgaa 400

<210> 811

<211> 400

15 <212> DNA

<213> Arabidopsis thaliana

<400> 811

cctctagagc ggccgcccctt tttttttttt tttttttttt ttttttaaaa ccacgaaatc 60
 20 caacattttta gtttttttgag aagaaaaaaa cagactgcca taaccgggaa taggtacgca 120
 tgatgagatc ggttttgattt agtattttta cagaacattt ggtgagacaa cttttaagaa 180
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 atattttcca tcattctctc tctgcagcac tagctgcgtt aagatccaca cttagatcca 300
 gttccttttc ggtgatcaat ttatacatgt tcaacacatc aacaacagtt gtgtcaaaagt 360
 25 gtattgtagc atcataactc gttgatatga agcagttgtc 400

<210> 812

<211> 400

<212> DNA

30 <213> Arabidopsis thaliana

<400> 812

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 acaattaaat ctcttgcaag aacagcaaag gcatatctta attgcatagg aaacgagctt 120
 35 tgacctaac ttagtcgtgg agaaattgaa actgtcttaa acacagtaga tccaaacgaa 180
 cctaattgtc gagaacgcac acatcgccgg aaaactaaag atatagagag agaaacgcat 240
 atcgttgact ctctctctt ttcactctct tcattttattc ttcccctcat catcatcatc 300
 atcttcttct ttaacaaaaa acacaactta caagaaaact gttgaatctt tgtattttatt 360
 40 tacatctcct ttgaccttta ataagaatct gagtggttgg 400

<210> 813

<211> 400

<212> DNA

<213> Arabidopsis thaliana

45

<220>

<221> misc_feature

<222> (1)...(400)

<223> n = A,T,C or G

50

<400> 813

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 aaagaaatag ngtttttagc acacaaaaac aagcaaaaaa aaaagcaaaa taacatgatc 180
 55 cgagtaacat aattgccctt ctgagttcca ctccaccacc aaataacata acccgagtaa 240
 aatttgatc caaaaaaaca agatcaccat gagaatatct ttannnggac tagccagtga 300
 agcgaatgaa gtctcctaag caatcataga aatgattgat attgattttc tctctccag 360
 catagatagc ttctgcagat ccaccgtttt ctcttgcgc 400

60 <210> 814

5 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 10 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

<400> 814

15	tttttttttt	ttttgttagt	aaacggtata	gattcaagaa	ttagtttctg	tataactgtt	60
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	aatatacatt	tcaaacaaca	gcatggttgt	agtcatggta	atggaatgtc	ttgtagatga	180
	agtgtgatag	ccactttgaa	gctgcaaaac	ttaaaacagc	cgccacaagc	actgcaattc	240
	tagccacatt	cgacattgtc	gtttgcttca	acaccgccat	gactccgac	atagcaacgg	300
20	atgcgatttg	taagatcacc	tctagcgcac	tgagatattt	gmnngctttc	ttgcagctgc	360
	tgcagttctc	aacatgagac	caatacctgt	cgaagagctg			400

<210> 815
 <211> 400
 25 <212> DNA
 <213> Arabidopsis thaliana

<400> 815

	aatttgtctc	gccagtgttc	gacccctcgt	tctcatcatc	tccaccgac	ctgctcacaa	60
30	tcttagtgat	gcctttcagc	aacgcttcac	taaatctccc	actttgggtc	aaggtttctc	120
	taatctcttt	gccatggagg	tagatcctac	cgttgaaact	gatgacatgg	ctggtacaga	180
	cgggatggat	ggttttattc	ctgatttggc	aaatgcgatt	cctggaatcg	atgaggctat	240
	gagttttgct	gagatggtga	agttgggtgca	aacaatggat	tatgctacta	ttgtgtttga	300
	cactgtcctc	actggacata	ctctccgcct	gttacagttt	ccggccacac	tagaaaaggg	360
35	actttcgaag	ttgatgtcat	tgaagagtag	atttggtggc			400

<210> 816
 <211> 400
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 816

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	cagcccaccg	atggctctag	accagtacca	ccgcccattt	cgtcagaaca	agtcttcttc	120
45	acaaaccac	ttcaacaaaa	tctgagaaca	gttccaaaca	caaacacaa	tagtcccatt	180
	tgttccgtcc	caaccgacaa	gaaaaacggt	cttgcgacaa	cacggaatcc	aaagaagaga	240
	tctcgagtct	cgagacgagc	gcctacgact	gttttgacca	ccgacacatc	caacttcaga	300
	gccatgggtc	aagaattcac	gggtaatcct	tcaactcctt	tcaccggatt	atcttcatct	360
	tttccaagat	cacgatttga	tctcttcggt	tcttcttctt			400

<210> 817
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 817

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	cactgcaaca	aacgcgtcgt	cgttgaaacc	ttagatgact	ttgtcgtgtg	ctgcgaatgt	120
	aacaaagggt	tcgtcgagtc	aattcaaccg	actccgcg	cttattcatc	gccggcgcca	180
60	ccgcagccac	tttccccaga	tctgaatgta	gaagactcca	gtattggctc	gcatttctc	240

5 cagatgctcc gcttggttagc ccacgcgcct tctcagcggt caccaccacg acaccttgat 300
gttttatctt acgaagatga tttcttcagg ttggagctca atagtagaaa cgaaatcgac 360
gatgacgaag acgaagatga agatgatgga gatgaagaag 400

<210> 818
10 <211> 399
<212> DNA
<213> Arabidopsis thaliana

<220>
15 <221> misc_feature
<222> (1) ... (399)
<223> n = A,T,C or G

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20 catccgtaga ttatggatca tttcctacaa agctatcgac gaattcaaag aaactatcaa 60
gtcacaacaa ctgtatcttc ttcccaataa aaagaaaccg caaacagata gatcaagaag 120
taccacacac aatggaagta aacagatcag gcagcttgaa catcagcagt ggttggtgca 180
ggagtagtct ttgacagggt tgggatatac ttccaacaac gtttggtgaac tccgcttatc 240
ttctttgnag cttccgcagc tcgcaatcca tctttgtgaa caattcccca agcttttcca 300
25 tgtctaccat ccttatagag attgatctta gtgatttcac aagagattcc attccagtga 360
gcttttagcca tatggtatcc gattcccca ttaggtaag 399

<210> 819
30 <211> 399
<212> DNA
<213> Arabidopsis thaliana

<220>
35 <221> misc_feature
<222> (1) ... (399)
<223> n = A,T,C or G

<400> 819
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atctaaaaaa agaaaactaa atcaaaagtt cttatattct aaacactctc aaggggattt 180
tgctttataa ttgttagagt gtaaggaaca aagccaagnn ntagtatata gttacaacaa 240
aacgacgggtg tattgggtcac tcaggcagtc tcagacgggt gaaaaggacc aagaaactct 300
gctcagggcc aatatataga aatccaagat ctgcgcctt cacaatgggt cccattccct 360
45 ttccattgag ttttaagagc ttgcctcga cccatcttg 399

<210> 820
50 <211> 399
<212> DNA
<213> Arabidopsis thaliana

<400> 820
55 tttttttttt aaaaaagtaa caaacttcaa caaatcttc acaatagtgt caaggatcat 60
ccattaccca taaaaaaaaa aactgaaaag ttacgaaact caacatgaat cacacacaga 120
gatttgatta tttatcatac aagaggaagc caaactgaaa atgtgcttgg ttactagcag 180
ccactcattc atgaagatgc tgcaactata ggcattctgag ttacccaatc aaatttgtct 240
cgactgtgtt tgcgagaagc ttgcttcttg tctttgtctg tgccaccacg tgaggaagag 300
ttgtctttag acttctgtcc tttctttcca gtcttctctg ggttgtcttt gctcttggat 360
60 ttctgctgct gtttcttgct tcttgtgact gtgtgggag 399

5 <210> 821
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 821
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 acctataaac caaactcatc tcatgaaggt cttagccttg gtcttcaccc tcagtataaa 180
 ccttggttgc agaaacagcc ttagtcgaca ggaaatcagt gtgctcttgg tacggcgatc 240
 15 tggagaatct agtctctttc cagaactctg gtgtaaggaa cccatatgtc ttctgtaagc 300
 aatcgaatgt agccttgaca aagtttccaa gggtttttgt agatcctctt gaagaagtaa 360
 agacatcatc aataccagcg aactgaagaa ccttcttag 399

<210> 822
 20 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 25 <221> misc_feature
 <222> (1) ... (399)
 <223> n = A,T,C or G

<400> 822
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 cagacgtggc ccaacataaa gatgaaacga aagaaatggg caaattctac ttggttatcc 180
 agtaaataaa tatgagnnnt gtgcatacag ccgcaacgag tgaaagaatg attgtatcca 240
 tgcacttttt cctctttatc gctgccagaa tagtgttcac cgtaggtaga cggctggcga 300
 35 cattgctaag ctttgagttg atgcctccaa aagttgaacg ttgaaacaca agtgtaccga 360
 gtgttgacct agcttgatga atgacaccgt ccattctgag 399

<210> 823
 <211> 399
 40 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 45 <222> (1) ... (399)
 <223> n = A,T,C or G

<400> 823
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 50 cttttatata tcacagattg cagacaggca ttactcaaag tgaagccatg taaacaatcc 120
 atacatatat aaaaaataaag tcttcattac tactaccaaa agccagaaaa gaaaaagaaa 180
 nnnnaaaaaa nnaaaaaagc tcagaagcat ctaatcatcc taaagctggg gaaatctcaa 240
 tctactcaac tacgtagcaa gcattattgt tgtaataatt aggaactggg ccaagataat 300
 caacagtagc agatggcgtc tgagacgggt atgcaaaagt gcttgcagggt agatgagtaa 360
 55 gctgcacata cgtaccggtg gcattacaga acgcccctg 399

<210> 824
 <211> 399
 <212> DNA
 60 <213> Arabidopsis thaliana

5

<400> 824

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ctgtttccac	ccaaaatcag	gtcgggaagat	agttgcaggt	aggaagctaa	tcaaacaaga	180
10 cacccttattt	ttcacgacga	gatgttgaac	ccctgaagaa	tgttggacac	cattttgatg	240
gataaaacat	tttcatagga	gaaatgatag	agtccagggg	aaaagttgtt	tagcttttca	300
agccttaccg	tgtgcatgga	caaatttctt	attcactatc	tgtttttgtg	tgtagtaaga	360
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15

<210> 825

<211> 399

<212> DNA

<213> Arabidopsis thaliana

20

<400> 825

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caagtatgat	agtaacaatc	tcagacaagt	ttgattcaag	aaaatcattg	atctctttta	180
gtgcattgat	agctgggtga	aaggctgtga	agttaaagca	agtccctcca	gtggaatgac	240
25 acaaccatat	atcgttttga	aaatcatatg	tatctagcat	tatacctctc	acaccattct	300
taagctgatt	ggatgatggg	tcttcttgat	tctttggaga	gacaaggaat	gaaccagttg	360
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<210> 826

30 <211> 399

<212> DNA

<213> Arabidopsis thaliana

<400> 826

35 ggatcaatgg	agagtttggg	aaacctggat	atcaacctat	catatatatt	gatactccgg	60
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ttagagatgg	tatgaacctt	actccctacg	aatatatcgt	ttgtagacaa	ggtttacttg	180
ggtctgaatc	agacttttagt	ggcccaaaga	agagcatggt	ggttgcattc	gagtttattg	240
gatgttcccc	ttcgcttagt	ggggctatac	gcgtaaaccc	atggaacggt	gaagctactg	300
40 gagaagcact	aatgagggcc	ctctcaatga	gtgatgctga	gaaacagcta	cggcatgaga	360
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<210> 827

<211> 399

45 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

50 <222> (1)...(399)

<223> n = A,T,C or G

<400> 827

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gtgtttacc	ttggtcctta	tcatacaggaa	caggttgaag	tatgctctga	catacagaga	180
agtgtttc	atcttgatgc	aaaggcatat	tcaggttgat	gggaaagtga	ggactgacaa	240
gacttaccct	gctgggttca	tggtatgtgt	gtctatcccc	aaaacaaatg	agaacttccg	300
tcttttgtat	gacaccaann	gacgtttccg	tctccactcc	atcaannatg	aggagggtaa	360
60 gttcaagctt	tgcaaagtga	gatcgatcca	atttgggtca			399

5
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 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

10
 <220>
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 <222> (1)...(399)
 <223> n = A,T,C or G

15
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 tgggtggtgg ggtggtggac gtagaggatc tagccatgga agtctcttgg ttcgtaacat 180
 20 tctctttgat tgcagaccag aagagcttcg tgagcccttt gagaggtttg gacctgtgag 240
 agatgtctat atccccagag actattactc nnnngcaaccg cggggggttg cgtttgtgga 300
 gtttgttgat gcatatgatg ctggggaggc tcaaagaagc atgaacagga gaagctttgc 360
 tggaagagag ataacggtgg ttgttgcttc agagtctat 399

25
 <210> 829
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

30
 <400> 829
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 ttcataacaa cgggaggacc agcggttctt ggccatgctt ggaatttctc atccgttgct 180
 gcccaccatt ctttgttaga gacagttcct ggagtagtcc ctccaaagat cttattatca 240
 35 gagataactt tgtcgaagat gtatgagatt ccgaaagaac cgatgagagc accgattatg 300
 tacttggtt tacctcctga tgccattttc ttctaaagct ttgccgattc agagacagtg 360
 aagcttaaac agtggacacc tgcccgggag gccgctcga 399

40
 <210> 830
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

45
 <400> 830
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 tttacatata gtacacatac aagcataaag cacgatctgt tttcttaaata gtgtttcatc 120
 ttacacgagg agattgagtg taagaaggta aaggcagatgc accaggagtc atgtgcagca 180
 gaggccgac atgactatat cttaccggag atttctgcat aacagaagaa tgatgaaatc 240
 ttggagattc catttggttg tgtttggttc caggttttagc aacggattct agctgttcta 300
 50 atgtgactaa aacctctgac atttttggcc ggagttttgc atcgggattt aagcattgca 360
 atgcaagatt agcagctgtg aaagctcccc gacgcgtgg 399

55
 <210> 831
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

60
 <400> 831
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5 acttttctct ctgctgcttt taggagctga ttttctttcg tcttccattt ctcttcttct 180
cgcccatgga gcccgaagac ctctttcctg attaccacta tggttttcct ctaacctacc 240
cttaattcta tctcgagtc taccctgaga aggtaactcg cttctgtccc ttccctctc 300
acttctcctg tcaaagtggg gacctcttc gccattgctt ctctcacgaa gcttaattct 360
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10 <210> 832
<211> 399
<212> DNA
<213> Arabidopsis thaliana

15 <400> 832
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caaaagtcta aaaaaaacta ctgtacgaaa tgatacaaca acagagtata tatcaatcga 120
aactgcaggc tcgaatcgag tccaaacgcc atcatatcaa aaatcagaga ccttcgatac 180
20 tctgtattact tctccaggag ctagctactc tagccatagc tcttgctaatt gaatgcagcc 240
gtgataaatc caaatcgtaa aaccatacag agagactaaa tactacagcg ctattttcta 300
gaatagggtca gaatattcac tactgatatt tctttacgta atcataaaac tgggtacaat 360
ttcttccaat gagaattctt acagaaaaag taaaaacat 399

25 <210> 833
<211> 399
<212> DNA
<213> Arabidopsis thaliana

30 <220>
<221> misc_feature
<222> (1) ... (399)
<223> n = A,T,C or G

35 <400> 833
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tacatgtaga tgtataacat aaagccgggc caccacaaca aaaggccacc gaaactctta 120
acaaaaaaag aaggagaaga gaaaactcgg ttttcgtttg gtagggcaaa agcctagttt 180
taacggaaat tagcgggtgct cttgtaagtc ttaccgccgc tccagttagc cggagcaacg 240
40 ttccaagcat agatggtttc accggtggtg taagaagtga cccggaaaaga gagagattga 300
ccatagagag aggaaaannn ttggtaagag gctccccaat tgtgggtcat gcttatccaa 360
ttcgtccggc tacctttaac ggccatgctc ttgatgtct 399

<210> 834
45 <211> 399
<212> DNA
<213> Arabidopsis thaliana

<220>
50 <221> misc_feature
<222> (1) ... (399)
<223> n = A,T,C or G

<400> 834
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ttgatcggaa tctaattggg aaaaccaccg ggaacagaga ttggactcag atctacgcta 120
tttacggaat cgaacaatgg cagacactcg tcttccttct cttccatgct ttcttcttct 180
ctcttctctc tcttctcttc ctcactactc tcgactagat ttgcttcttc ctcgattcct 240
tcttctcttc cggcgccgcc agattagccg cgggtttcac cggtgctgta accgtctct 300

5 ccgcggtttg tctactcttc gccgcagcta atttcgttta ctcagatggt ccgcttcagt 360
acgagatggc tcaacgcgat gttagctccg tcggtgact 399

<210> 835
<211> 399
10 <212> DNA
<213> Arabidopsis thaliana

<400> 835
15 ttgtcagaaa ttggcgtcca agaagcagat gttaagaata tattctacct aagagaaatc 60
gaggatagtg atgagcttgc cttggctatg gaactatatg tgcaaagggg aaaggccgtc 120
atcattggcg gcggtttctt agggcttgag ataagttctg ctctaagggc taataatcat 180
gaagtgacca tgggttttcc agaaccttgg cttgtacacc gggttttcac cgctgagata 240
gcttcattct atgagagtta ctatgccaac aagggaatca aaatcatcaa ggggaactgta 300
gcaactggat ttagcaccaa ctcagatgga gaggtcactg aggtgaaact agaggatgga 360
20 agaaccctag aagctaacat agttgtcgct ggtgtcgg 399

<210> 836
<211> 398
<212> DNA
25 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(398)
30 <223> n = A,T,C or G

<400> 836
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ctgatggtga taaagaagca ttacgtgaac aacgttttga ttcatatgat cggagggaag 180
acaggggatg gggccatcgt cgagtttctt ctgagagaga ggatcgtttg gacagaaggg 240
tttacgcaga agatgagaga tcagagaaca tactggaatc ggatctgaga tatcgtttgg 300
ctaagcagag aaaaggcaat ggtatgagat tatcagtagg aggccatgac tatgctgctc 360
ctgactcttc gatggacaga ggatatagag agtctcgt 398

40 <210> 837
<211> 398
<212> DNA
<213> Arabidopsis thaliana

45 <400> 837
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ataccgatta ccgcttttgt ctacatatta actgaaacaa tgtacatggt attagacatt 120
acagaaattg aaaagcaact agtaagccaa agggatgtat ttgctgacaa gtctctctct 180
50 tctcatagct gcccaagttt ttctgaagc atctgcatta actttggatg ttgttccagt 240
agctgacaca gcttgtcacg gtcacttaat agagcctgaa tggcttcagg ggacttgaag 300
taatcatgta atgacattcc agattcttgt tgctgggaag tcccagctcc ttgctgacct 360
tgaacagcat gatgctgttg ctgttgctgc acctggga 398

55 <210> 838
<211> 398
<212> DNA
<213> Arabidopsis thaliana

60 <400> 838

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 cacaagggtcg ctaatgatga ccagtaactt catatctacc aagaaacaaa ggaacaaaga 120
 aataatccag aaacgatcca cacagcattt actgttcttg tcttgagtgc taaacgtttc 180
 ttctttttgt ttttttactt tggattttgc tttctcagag ccgaggagac agcttctgtg 240
 tagcttcacg gtaatcataa actcctactc ctcgttttct tcctaattctc ccagcatcaa 300
 10 cgtattgaac aagaagaggg caagggtcgt actttgagtc cccaagtccc tcgtgcaaca 360
 ctttcattac ggacaagcac acgtctagac cgattaag 398

<210> 839

<211> 398

15 <212> DNA

<213> Arabidopsis thaliana

<400> 839

agaaggagga ggcaatggcg gtgttatcca ccatctactc catcaccaga gcttcaacgc 60
 20 ctactatggc gtctctaact aatgactcac cgtctccact tccttcttct tcaccgtcga 120
 agcttccctc tcctactttct ccgtcaaaga aaccgttaaa actaagacaa gtgagcaaac 180
 aaatgggaag tcaaaaccag caacgacgag gcaacaagcc ttcgatagca cagattgaga 240
 gagcttttgg ctctggatca tatcgtgatt ccgaagggga aatggatatg aatacggtat 300
 tcgatgagct tctattaggc catgctaata aattcgaaag taagatcgag aagaagctac 360
 25 gggagattgg cgaaatcttt gtagctcgaa cagagcct 398

<210> 840

<211> 398

<212> DNA

30 <213> Arabidopsis thaliana

<400> 840

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 aagggtataaa cgggagactt cgggaagtac aggtaaggag ttaaaatact ttaacataat 120
 35 actactgcac tttttctaag ctttaaagta ttggctactc tctagaagaa cctaaactct 180
 cgacaaacag cttacgaatg tatgaacttt atttatttct tgcacaggag aacctcaaga 240
 gaagaagatg acatctattg aagatatcaa atctcttgac atgaaaacgt aagaatcttc 300
 agtcttctga ctgcataaca aaccagtaat ctttctctgt attcttcaga tattcttgta 360
 tgtatatttt gctagatgat tatgttacta tttctttt 398

<210> 841

<211> 398

<212> DNA

<213> Arabidopsis thaliana

45

<400> 841

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 taatcatcgt gcttaatctt cttcaaggac tgatcctgat gctcgaacgg atcgatacaa 180
 50 ttctgctgga ttgtttgaaa gtatgtctcg gtgatagaga gcagaaagtg ttcaactacc 240
 cgaagtttta ccggttgcaa gagtaactga agatgaaaaat cgggggacga gcaactgcctc 300
 gttgcttacg gatttcgaag ctgctaactc ttccaaaagc ttccatgttg cttctcgttt 360
 ggctacaacc tcggtttcat tcgcttcacg ttcttggg 398

55 <210> 842

<211> 398

<212> DNA

<213> Arabidopsis thaliana

60 <400> 842

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aaggaagtaa atgaacccaaa aatctgagta caagggatg aagggtatgt tcagcatcat 120
ctcgtagctc tcaaggaatt cgaaagaaac tataaatcgc gaactcaaat tccgcttggt 180
gtgggtaact cacaggcagt gggttttttc ttttcgttat tgtcacaaga aacagacagg 240
tattaagcat atgcaagaga tggatccagc ttctaagctg ctgactcttt agcgatcttc 300
10 tctgcctttg caaccacctc atcgatacct ccaaccatgt aaaacgattg ttcggaaaga 360
tcatcgtact tgccatccaa caaacctgg aaactgtt 398

<210> 843
<211> 398
15 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
20 <222> (1)...(398)
<223> n = A,T,C or G

<400> 843
25 cgagctcggg acctcgagcg gccgccggg cagggttgaa tcgaagtatg aagatttgga 60
gttttcgtcg tgtttgatga ctctctgaag aatatttcgg gtctnnnnnc tgggggtcaaa 120
tttcgggtga gcaagcttaa atccaataat ttcttcgggt gatcatttgc aaaaggcgat 180
atgtacaatt gaaggatagt aggagtaaaa gctttatgaa gaatctgaat aaagtttcca 240
ccgaccgatg atgacggaag tttccgacga agagatgttt tcatgatgag tcggtgatag 300
cgtagctgac gaagcgtcgt tctcctgtca aacaccacg ttgcataaca cgtgttttta 360
30 atttgctttt atcttatgct gttttgcaat tagggggg 398

<210> 844
<211> 398
<212> DNA
35 <213> Arabidopsis thaliana

<400> 844
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gttaaaacga taatgttcat aaaatggagg aaatcaaat atagcgggtg cattccatta 120
40 ttcagtccat aattcatagt attcctatac aagacagaaa atgccaaaaa tgccctctag 180
ccgaacaata tacaccgatt catatcgact cagttcgagc taatcggctc ctgctccgat 240
gcttcccacg acggtggccg tgaggaatcc caccgaacgt gaccggatca tagaccctga 300
gacgcttagc ctcagccgga ttcacaacac actccgacaa aaccaccttg tacctcatat 360
gatcgaatac atacgaataa gtcatgtgtt tctgtcgg 398

45 <210> 845
<211> 398
<212> DNA
<213> Arabidopsis thaliana

50 <400> 845
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acaagcctaa agaaaaagaa gaaaagaaag cgcaaaattt ggcatgagtg tgatcgaatc 180
55 taacaacat cacagcttca aagagacaag ttatccttgc gggctctttc aagatctatt 240
gtcctccatat ttgcgagcga cattagcatc caacagtgt tcccaaacat gtatctctcc 300
ctttgagcca ccaatagcaa gcaagaaagg gttgtccacc gcaaaggaaa tggaaaaacac 360
agctccagca tttgggttggg gtgtagcaat gcatgaag 398

60 <210> 846

5 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

<400> 846

10	tttttttttt	tttttttttt	tggttttttt	tgaatcatga	ttcttaagat	ttacagacag	60
	gaccggcatt	gaagtccaca	tatatttgta	atacaaaatc	tattatatac	acacacaaaa	120
	atctgggata	ttctaataat	taacaacaac	tagcctccac	tatatttaga	agagcccact	180
	cgaagcatca	ccacgaccac	acaaatctaa	gatcttttcc	tcttgatatt	gttttttagca	240
	ttactatttt	gatatatgca	aggtttagac	cccaaaaaaa	aagaagaaaa	aatataattg	300
15	atatttttcaa	aatttgagct	ccatctcttc	taagccatgg	gaaacacatt	ccaagacgaa	360
	gttaatcaat	agttcatcct	ctgctttttc	atcaagtt			398

<210> 847
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

<400> 847

25	ggatcctcta	gagcggccgc	cctttttttt	tttttttcaa	acttatttgt	tgtatctaaa	60
	tatattacaa	agtttcaacc	caaatttaca	atcttctctg	gagagatact	tcataaagca	120
	aaaaccataa	agtttctaac	aagagaatct	cactctactt	aattaacaaa	gatctttttt	180
	aaaacatcct	tccaagcttt	gtgatgagta	tgcttcttca	agacttttga	ttctgctggt	240
	tcttggtttt	aaagttttta	taagttcctc	ttttaagttg	gttcttggtg	acgagctgcc	300
	caaagagaa	taagagcacg	aagtctatga	agatactctc	ctaaagctag	taaacctcga	360
30	gccgattgtc	ttgtcggtta	gatcttccgc	atttgttt			398

<210> 848
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(398)
 <223> n = A,T,C or G

<400> 848

45	ggatcctcta	gagcggccgc	cctttttttt	tttttttttt	tttttggagt	tactagaaaa	60
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	gaaaaaagcc	agacatgcct	ggaagcggga	cttaccctaa	tcgttgtagc	ataatgggaa	180
	gaaaaacaaa	gcttaacgta	caaaagcggt	gttgatcatg	aatgaaatca	gcaagtgggt	240
	tatcgacttc	cagagacaaa	aaccaacttc	actacttaga	atcgtgcact	ttctttgagc	300
	accattttcc	ttcaagatcc	tactgtttct	tatttttttg	ctttttgctt	cttcttatcc	360
	aaagatgtta	aaccagcacc	taatcctgca	ggagccag			398

<210> 849
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

<400> 849

55	atctgatcgg	gatgagtaac	atcgatctga	ttgggatgag	taaccgcgat	ctgatcggga	60
	tgagtaacag	cgagcttctc	accgtcgagc	ctctcgatct	tcaattccct	tttgaattga	120
	agaagcagat	ctcttgctct	ctctatttga	cgaacaagac	cgacaataat	gttgccctta	180
60	aggtttaagac	gacgaatccg	aaaaagtatt	gtgttaggcc	taatactgga	gttggtctcc	240

5 cgagggtctac ttgcgaagtt cttgtgacca tgcaagctca aaaggaagct ccttccgata 300
 tgcagtgcac ggacaagttt ctgcttcaag gtgtgatagc tagtcctggt gtcacagcca 360
 aggaagttac tcctgagatg tttagcaaag aggctgga 398

<210> 850
 10 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

<400> 850
 15 agtcatgatg caaaaaaacc tatgatgatg tggttcttag ggatgctggt gttttccatg 60
 gtggccgagt caaatgctca actgtcagag aattactacg cctcgacatg tcctagcgta 120
 gagctcatcg ttaagcaggc ggttactaca aaattcaaac aaactgtcac aacggctcct 180
 gcaacgttgc ggatgttctt tcacgactgc ttcgtcgagg gatgtgatgc gtctgtgttt 240
 atagcatctg agaatgaaga cgcagagaaa gacgcagatg acaataaatc tctcgccgga 300
 20 gacggatttg acaccgtgat taaagctaaa accgctgtag aatctcaatg tcccggagtt 360
 gtgtcatgtg ccgatatact agctctcgcc gctagag 397

<210> 851
 <211> 397
 25 <212> DNA
 <213> Arabidopsis thaliana

<400> 851
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 ccgttgcaga tatttgggtc tgtgggggtca tcttttatgt tcttatggca ggatatcttc 180
 catttgatgc aatggatcta ccaactttat atagtaagat cgacaaagct gagttctctt 240
 gccctcata ttttgcctg ggggcaaagt ccttgattaa tagaattttg gatccaaatc 300
 cagaaactcg gattacaatt gcagaaatca ggaaagatga gtggtttcta aaggattaca 360
 35 ctctgttaca acttatcgat tacgaacatg taaacct 397

<210> 852
 <211> 397
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 852
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 45 ctccacacac cgttccgtct cttttttgccc gccgggaagc aagtcacggt gtctgccgcc 180
 gttgcgttca atgagtcacg acgacgacac ggcctcaaag gaggtgaagc tatgggggtg 240
 aagggttcga gagagtgtca ctgagaaagt ggagaagttc actgagtcaa tttcattttga 300
 taagggttctc tacaagcagg acattatggg tagcaaagct catgcttcaa tgcttgctca 360
 ccaggggcta ataactgata gcgataaaga tagcatt 397

<210> 853
 <211> 397
 <212> DNA
 50 <213> Arabidopsis thaliana

<400> 853
 gtttctctct ccatcagctg agaacaatga taggcttaca cttcagctca aggacatttc 60
 cttggagttt tcatggctct tagccagaat caaagaagcg attccttatg attcaagcac 120
 tctctgccgt tctacgccgg cttcatgttc agaggagacc cttaaatcaa ttgcagtttt 180
 60 gggtgaagag caaatcttc caaaggaaaa gatgtggctc tcctctggga tctccacgtt 240

5 tctctgggta tacaccagaa ttatagggtt caatccggct acagtagtca ttaactctga 300
 gttccatac ggggtctggcc tccgttcate agcagcttta tgtgtagctc tcacagctgc 360
 tctccttgct tcttctatct cagagaaaac ccgtgggt 397

<210> 854
 10 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

<400> 854
 15 tctgacccga tttgatttca ctcgagataa aataattagt gcaaaaaagt tctcaccatc 60
 tttctccgtc ttgtcgggtc cgtttttgtc ctctagctca aaaaaatcag ctttctacaa 120
 ctccgtaagg tggagcgttg agattatgca gaagaaacga gagatctgtg gttatagaga 180
 caaattagac aagaccttat cttctcctga actcactaat cagcagactc tcaaactctc 240
 tctcagaaac cagcttgaag agtgtgatga gaatatattg gataaaagaa cagatgatgt 300
 20 atccaagtta cttagcaagc ttaggagtgt ttccatgact gatcatcaag tttctaaatt 360
 aaccaacgat ggtgattgga aattgaaaca tgatctt 397

<210> 855
 <211> 397
 25 <212> DNA
 <213> Arabidopsis thaliana

<400> 855
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 30 gacaacaaca acgacgagaa aaccccgaaa gcctcaacgg aaagacacga tttctcgaga 120
 aacgccgttc gtttgtcacc ggaagaggag gctcaagcgc gtgggggtta agatgatttg 180
 acggaacttg gtcataccct cagcgcgtcaa tttcgtgggtg tggctaactt tctcgtccg 240
 ttacctgatg gatcttcttc ttcttctctc gatctatcga accatcccag gtttaaccaa 300
 tctcgggtctt cagatcctgg attgaatcaa tcgcgttctt cagatcgga cgaatcgtgt 360
 35 gttggaagtg atacgccgga gactggaatt aggttta 397

<210> 856
 <211> 397
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 856
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 caaagacaaa ttaactcaaa aaaaaaactg aaaataaaaa attcaagtat cagacgaccc 120
 45 caaaattttg acagagactg agacagcaag ataagcaaga ttcaaatacca ggatacaaaa 180
 cctcttttg acactagagg ttttagtttc gatggtgcga gctaacctct gaaccaacaa 240
 ctatcatcgg atggatcact ttgatcccc aacggtttgt ttttatccca ataccgtaa 300
 gtccaggact cacagggttt ctgatgatag agacatacca acactttcaa gaagctccccg 360
 ggactgcagc cgctgcagta gcgtacatgt ttgagtc 397

<210> 857
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 857
 acgtcctcaa agaccgaaaa gtctatacca gaaccagatg attgtttaaa cttctgacca 60
 agtcctttct cgaaatctag agtgataggt ggagatata cttcctttgt cgctgtgagt 120
 ttgcaatctt cggattcttt agcaaagaaa atgacactaa tccttccgga gacggttgca 180
 60 tcaaacgtaa aggagacgag aaagcgaccc ggattatccg ggtcgggttc aagcctaaga 240

5 gactccttct tgagattaac gtcgttacga atcgtgacgg ctttctggtg ttcaacgtaa 300
ggagtcgggt gagccatcat gtgaccagca taagggtatc tggccatcgc cacgggagcc 360
caagagtggg tgtggttaagg atgcgggtgga tgatgtt 397

<210> 858
10 <211> 397
<212> DNA
<213> Arabidopsis thaliana

<400> 858
15 ccccgatac agtgccgtta gtggacatgt tgtcaccggt tttggatgca cgggattctt 60
gggcagatac ctcgtctcaa agctcgccaa acttggtact caggttatca ttccctaccg 120
tgacgaggac gaagcgcgag tcttcaaacc catgggtgac ctcggccaaa tagttcgaat 180
ggagtgggac attcgaaatg aggccagat tgctgaatgt ttgaagcact cggatatcgt 240
ctataacttg gtaggacgtg actatgagac caaaactttt gactacaagt ccgtgcacgt 300
20 cgatgggtgt gaacggatcg ccaagattgc ggctgaatct ggcgtttctc gcttcgtgca 360
cctgtcgcac ctgaatgcct cccacaactc gaagtgc 397

<210> 859
<211> 397
25 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
30 <222> (1)...(397)
<223> n = A,T,C or G

<400> 859
35 cttttttttt tttttttttt ttttttgagt gtaaataatt gaatgagaaa agaggagccc 60
aaacatgttg tagcacaac tgcagtacca aatgtagttg gccactgact tatttgattc 120
agcataaaag cataaaccca atctaagtgt agaagaagaa aaaaaaaga gtttggctaa 180
gcccctatag ccatttatcc ttcccaccgg atgttgaaag nnnataaata aagccccct 240
aactttgttg aacttctctt ctgggtacaa aaatagaagt gcgctttctt gacggcattg 300
agatatcaaa tgactcagtc tgatatccta aactccactc ctaaaacgtc tttcaccatc 360
40 tcatatgtca caaatgcaat cgcaatcgat ggtacaa 397

<210> 860
<211> 397
<212> DNA
45 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(397)
50 <223> n = A,T,C or G

<400> 860
ttttttttt gaacattcgt aagattgttg aatattactt ctcagctcac aattggtgac 60
taattattga tgaacaacac aaaactcaca acataactca aggaaactaa ttaaagcacc 120
55 aatgtaaaaa tatatanntn ncgagaaagg caaaacaaaa acaaagcata aagtggattt 180
gggatagatg aggaatagaa gcttaggtca tggaaacaa ggtgaggatg gtgctaagat 240
tcatgggatg catgtattca ggagagccat tgaggatttg ttgagctatg attctacttg 300
ctttttctga tgggtgaaaa ggatcccaaa aggcaaagag atctctgttt gggcaaagat 360
60 ttgataatgg agtgcatagc cctatcccat tgtacgg 397

5 <210> 861
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
 <221> misc_feature
 <222> (1)...(397)
 <223> n = A,T,C or G

15 <400> 861
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 tacaaaacct acataccaag tcttatacta agttactaga taacatcaaa acaagttcat 120
 gagagagacc gttaaaactt tcagaaactc ctactttctt gttgaacata aacttttctt 180
 tagccttctt aaaattctca aagtctccag ctttagtaga cacatcttta ctcaagatct 240
 20 nnnttcttag ttgtcacaa gcacaatact tcacgtcgtc cacatctacg tctttaaagg 300
 ttgtaattgt agtcctcact cctacattct cccaacaaag agactttata agtcaaagat 360
 actgaaataa aatttaattg aaaaagagat tacaaga 397

<210> 862
 25 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 30 <221> misc_feature
 <222> (1)...(397)
 <223> n = A,T,C or G

<400> 862
 35 tttttttttt tttggaatca aacaagagaa aaaaaaaacg aaatgagttt attacacaag 60
 ccagtttgag attctttcat tgaccagttt taaactgcac catagttcta gtttctaacc 120
 atatgcacaa gggactaata aagatcggat cgatatgatt tgacctaaat accccttgaa 180
 cccgggacat cgatccactc gagctgtagc tcaacctctc cacactccac gtgctggagt 240
 ctaaggaaca tattctggac aatcttgctt tggttcaaca caatgtggct tgattcnnc 300
 40 aaacaatttt ttctgctcgg ctctatcttc tttattatgg tcccattagg aagtcctggg 360
 ccgagctgat gggcaaattt aatagcttca ataaatg 397

<210> 863
 <211> 397
 45 <212> DNA
 <213> Arabidopsis thaliana

<400> 863
 ggccgcccctt tttttttttt ttgtataaa atcgatatca tttcttagta agaggcaaca 60
 50 ctttctttgt atagaacaaa actaagatca tcagtctatt gctatagttg tctttgtcta 120
 ttgctattct tttctctgta gttttctaag gactctatta aaacaagcaa actaaacgtg 180
 aacaaaagca aaccagagta ttaaggtagt gaattatatg atcggacaag gcggagtctc 240
 ccagacatca aacacattct cctcgctatg caatgcaaaa aggcggtcgc caccaatgga 300
 gaaatcacag attgagccac catagcttct tcttagccta gaagttaaga cccagtctgg 360
 55 tccacagaac acagagatag aatcattcat tgatgag 397

<210> 864
 <211> 397
 <212> DNA
 60 <213> Arabidopsis thaliana

5
 <220>
 <221> misc_feature
 <222> (1)...(397)
 <223> n = A,T,C or G

10
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 gaatctcccc ttgcatatc ggcagcaaat tgttgaattt atattacaaa attctgggca 120
 gaaagacttc aactttaatc catcttttcg tgatcccttc accggcgcaa atgcttatgt 180
 15 ncctgnnnaa gcatctcgta cagctgcaac tccggcaaaa cctttataca agcacattcc 240
 aaaaagaggt gtgctagttt tcgatgctgc tcaatatgac gggattctga aaangatgac 300
 agagttcaat actactttac gatctgacgc agtaaacaat gacaagtccc tgaccgaact 360
 cgaagtatcc agagtaggcg caatcgtaa tatactg 397

20
 <210> 865
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

25
 <400> 865
 tttttttttg gaggtaaact ctatttttga tcaacaaata tgaacaagag tagtagtttg 60
 ttggggacag gacataactg aaacaaagt ttccagacaca aatgtaagaa aaaatgaaat 120
 ctttgaagaa gagactcagt aaacttcagc agcaaagtgt gtagtgggaa gtctctgtcg 180
 cttctcaatg taagccatag gaaaccaacc agctttgcct ttgcattctc cttcagccca 240
 30 accggttttg ctcacctttc ggacaacgat gtaatctcct ttgtccaagt ctaactcttt 300
 ctctgaagca gcggaaaatg gatgaatcac ttcagcaaga aagtatgacg ttttctctga 360
 gccgttctct gttggaatcg caggaggagc agattct 397

35
 <210> 866
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

40
 <400> 866
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 atctaaagtc tgaagctttg tttggttgca tctcgatgat gatgatgat atggttgatt 120
 gtaaatgggt agtttcggtt tgggtgtagc agaagctaag tttgtcaagt taataagagt 180
 attttagttt ttttttgtt aaatcgattt gtgggttcat catcctacga tcgaaagttt 240
 ccatctttga taatttgaga ttctggggat ttttactaga atttctagtt ttttttttgg 300
 45 tttgttgatt tcgtagctag aagaaatcga tctaggtgtg tatatatata tctattcaat 360
 cgaatttttag tgaatcgatt ggcatcttg gtgagag 397

50
 <210> 867
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

55
 <220>
 <221> misc_feature
 <222> (1)...(397)
 <223> n = A,T,C or G

60
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 cttctccgat tggatcaatga caaaggtttt tgaaagtcca aaaaaaaaaa aagacataaa 120

5 ccagtcagac caaaacnng aggaagagaa acaaacccta gagacgattc tctccgcaac 180
 tgttaaaaaat ttcagttgca gagagattaa tataagacac tgaaattgaa agacaaactc 240
 ctaaaagaaa aagtcttctc tttgctttgt ttaagattcg gacaatttgc taatcgcatc 300
 ccaatcaatc tccacagaag gaaacttctc cagcccgaag ctccaatct catcaaacc 360
 agaatccgaa aagtccaaga acgtagtaat accagat 397

10 <210> 868
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 868
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 tctcaggccc tgatccattc aaatatgtat gtgcacaaca gtgtacgtgt atatatagtc 120
 tatagacatt taattcaatc ttaaagagga accatcatca cacgcatagc cacagaaata 180
 20 ctctctaaag atgctaattc cagactatat aaaccagcat tgtgtgacac agtatcccgc 240
 aaacaaaaac actgaatttc attcatgaat gtaacctacc tgcgatggct gcaacctgaa 300
 cctccatttg tgccgccctg actttagaac ccgtggctcg gtggaagaac tgttctctcg 360
 acaacaacct cacattcctc aaatactgat caaaggg 397

25 <210> 869
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 869
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 aaaatgggaa gagcaccgtg ttgtgataag gccaacgtga agaaagggcc ttggtctcct 120
 gaggaagacg ccaaactcaa agattacatc gagaatagtg gcacaggagg caactggatt 180
 gctttgcttc agaaaattgg tttaaggaga tgtgggaaga gttgcaggct aagggtggctc 240
 35 aactatttga gaccaaactc caaacatggg ggcttctccg aggaagaaga caacatcatt 300
 tgtaacctct atgttactat tggtagcagg tggtctataa ttgctgcaca attgccggga 360
 agaaccgaca acgatatcaa aaactattgg aacacga 397

<210> 870
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

40 <220>
 <221> misc_feature
 <222> (1)...(397)
 <223> n = A,T,C or G

45 <400> 870
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 tcttgttctt gtgttttttg tattagttat cctctcctg ttatgcacaa accgtctgtc 120
 tagctgttgt tcaagagaaa agtcagtgcc gcaaactcgg cttaaggttg tgacagataa 180
 ctcacacacc ngtctctcct ctgaagttct tgctagtgcg aggttaattc ctcaaacagc 240
 aaagctaggt gcacagggtg tgccctcatg ccggtccttt tcttttgaag atttaaagga 300
 55 agccacagac gattttgatt catcacgttt cttnnmtgaa ggctcccttg gaaagctata 360
 cagaggaaca ctggaaaaatg gaagttccat agctatc 397

<210> 871
 <211> 397
 <212> DNA

60

5 <213> Arabidopsis thaliana

<400> 871

	cgctccttcat	attggacaag	aaggctgggtc	ctctccataa	agcttctaag	tatctagcag	60
	tccatctcag	gtttgaaatt	gatatgggtg	ctcattctct	ctgttacttc	ggaggaggcg	120
10	atgcggaaaa	ggcagagctt	gatgcttacc	gagaaatgca	tttccaacg	ttggcaaadc	180
	taacaaagac	gaaaaaaatg	ccatctccag	acgatctgag	gacagaagga	ctttgtcctt	240
	tatcacctga	agaagccgtg	cttatgcttg	cgggtctggg	ttttagtcgg	aagacacgtg	300
	ttttcgtcgc	tggtgcgaat	atatatggtg	ggaataaacg	gttagcagct	ttaacgagtc	360
	tctaccgga	tctagtcacc	aaagagaatg	tactctc			397

15

<210> 872

<211> 396

<212> DNA

<213> Arabidopsis thaliana

20

<400> 872

	tttcagtagg	acaacagact	acatgaaaag	tataagatgt	tcatactca	aaagactttc	60
	atatacacac	aaaggggaaa	caccatccac	atgagacagg	acaagaactt	attttgatgt	120
	gatcaaacc	aattcaataa	ccaaatgaac	caaattctcat	acttataatt	gatatatatg	180
25	tcaagcaaaa	aagcgggtag	gaagatcaat	gtgcgcatac	gaggaaaggg	ttttggcaaa	240
	ctccgcactc	aatggtctct	gatcctgaga	ctggaacctg	gacctgtaag	tgcacagtgc	300
	atgttgagca	agctacttct	ttcatccgcc	tcccagatcc	ttccctcaaa	ccagacgaag	360
	acttgcggtt	tctctccatt	tctctctgta	actttc			396

30

<210> 873

<211> 396

<212> DNA

<213> Arabidopsis thaliana

35

<400> 873

	cttttttttt	ttttttgtta	aaaaataatt	atcatataca	acatagaaaa	aagtaataca	60
	actgtagtgt	aatatgtttt	tggtgattta	acccaattat	cttctaaaga	atacaaattg	120
	atggctaaat	atatacgtgt	aataattaaa	ggatggccaa	aattgagaag	aagaacaatg	180
	aaagtggat	agagagagaa	taagcagcag	aagtcgtcga	cgtgtttggt	ctttgagatg	240
40	gtatgtttgt	cgctctggg	tcaaacgaag	aagctggcgg	tctagccgag	gaggaggaac	300
	ggttcgatgg	aagcgtccga	gccgatgtct	caccggtgta	acaatcagat	tctttccacc	360
	ccagaatcag	tttctcacga	tcaaagacaa	tgcgat			396

<210> 874

45

<211> 396

<212> DNA

<213> Arabidopsis thaliana

<400> 874

50	tttttttttcg	aacacaacaa	catcgtaata	ctacatttca	agctagttaa	attatgataa	60
	atattgcttg	atacattcat	tacaaacgaa	catattgaca	ctttacaaga	aaaaaccac	120
	acttgcttaa	gcgttcgtta	caagacgcaa	accaacgaaa	cagatcactt	ccaaaaacta	180
	ctaagtcgtt	acaaacaaca	atttgactc	cagaatccgg	tttcataggc	taaccggtat	240
	ccactataca	aataacacac	tctgtacgag	catagaaccg	gattcgtttc	tttcatatac	300
55	ggttcccaag	aattcacatg	gcaaagaacc	atcctctagt	tagccgctat	gtcacctacg	360
	acttcccggt	ccgtttacgt	ttgttcttgg	tgagag			396

<210> 875

60

<211> 396

<212> DNA

5 <213> Arabidopsis thaliana

<400> 875

	tcgagcggcc	gcccgggcag	gtacttgtcc	tttgttactg	tctttgcctt	cttccacatt	60
	ccccatataa	actttccatc	atagagggca	acatgagaga	tgatagcgca	aagagaaccg	120
10	aagctgagtc	catagagcaa	cgcgaacatc	acactcaaat	agagcttgct	gtaaccgttg	180
	taagcgtcta	gattgatatc	gaaattcttc	tcattgagga	tacgggtaat	gttatagggtg	240
	tgtccagtct	gatcaaaggt	gtgtgaagta	tagaatggaa	acttctgagc	atcataagca	300
	ttagtccagt	agaagatagg	tagaacaatg	tataaaaaga	tgaagaatcc	tccaaagaaa	360
	ttggcaatgg	cgaagaatgg	tacctcggcc	gcgacc			396

15

<210> 876

<211> 396

<212> DNA

<213> Arabidopsis thaliana

20

<400> 876

	cgcgccagaa	tcgagcggcc	gcccgggcag	gtacagtttc	ttcctgtctt	ctcttgtgag	60
	ctcagtgcca	atgctgttga	tagtgatatt	cactgctctc	ctgtcggctt	caaaggccaa	120
	aaggctcagac	ataatctctg	ctgttgcgcc	accaagtttc	tgacagaagt	tgtaaaaatc	180
25	ctcaaggtat	gctttgtaga	gggtattcct	cataatctct	atgttcatgt	catcgagatc	240
	ctctgatgtt	aggcattcag	aaaagtatgg	agccagagga	gtgtccacaa	gcaccaacct	300
	atagagttcc	cgcagtgttct	gagcaacagc	tagtgtagca	atactgtcaa	acatgcctaa	360
	aggggtgacac	ttctcgatca	actcttgaac	atctct			396

30

<210> 877

<211> 396

<212> DNA

<213> Arabidopsis thaliana

35

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

40

<400> 877

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	tctttcgctt	cttcccacga	ttactccatc	gttgatact	cccccgagga	tttggaatct	120
	catgacaaac	tcatagaact	cttcgaaaac	tggatctcaa	attttgagaa	agcttatgaa	180
	accgttgaag	agaagtttct	taggttcgaa	gttttcaagg	ataatctaaa	gcacatcgat	240
45	gagactaaca	agaaagggaa	aagctactgg	ctcgggctca	acgagtttgc	ggatttgagc	300
	catgnnnagt	tcaagaaaat	gtatttaggg	ctcaagactg	atatagttag	acgcgatgaa	360
	gaaagatctt	acgcagagtt	cgcttacagg	gacgtc			396

50

<210> 878

<211> 396

<212> DNA

<213> Arabidopsis thaliana

55

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 878

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 ttatagtaat atttttatga aatgtgtaaa ttcatacttt agtacaatcc agttcctagc 180
 aaatccaaat cttgaaattt gggattagta taaaatggga gttattctct gttctcctgt 240
 taagtgggac tctagtagac gatgacatgg tatcatatct tatactacac atataaaata 300
 10 gaaatgatat taaaaatggg agggacaaca gnnngtcacg ttatgcatga atgtagtcaa 360
 acgaacaact ctttaagttt tttttttctt gacaac 396

<210> 879
 <211> 396
 15 <212> DNA
 <213> Arabidopsis thaliana

<400> 879
 20 ggcgattggc cgtcgcggcg aaacgtgggt gcttgtgccc gcgtttgtcg tagctggagg 60
 attctcacca aggagattgt agctgttcct gaattctcct ctaaattgac tttccctatc 120
 tccctcaagc agtctgggtc aagagattct ctagtccaat gctttataaa acgtaatcga 180
 aatactcaat cgtatcatct ctatctcgga ttaactacct ctttgacgga taacgggaag 240
 tttcttcttg ctgcttctaa gctgaagcgc gcaacttgca ctgattacat catctctttg 300
 cgttcagacg atatctcaaa gagaagcaac gcgtatcttg ggagaatgag atcgaacttc 360
 25 cttggaacaa aattcacggt ctttgatggt agtcag 396

<210> 880
 <211> 396
 <212> DNA
 30 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(396)
 35 <223> n = A,T,C or G

<400> 880
 40 agacatttga tcttgatgac tttgagcttc cagacaatga gatctttcag ggtaattacg 60
 ttgatcatca tgtagtaca aaagagcaga tcacccttca ggataccatg gatggcggtg 120
 tatactcaac gtcacaattt ggattagatg agcgatttgg tgatggcgac acttctcaag 180
 ctgcttttga tcttgatgag gcagtattcc aggacaagga tgttatttga tccgacgatg 240
 agggagttcc aggtattgat cacaatgcgt atctggatgc gnnagcaccg gggataaagg 300
 attcgatgga aggagtctct gaagccatgc ccatggattt taatgaagag cagggttgaag 360
 atcttgctat gaataatgag ttcacgaag atgctc 396

45 <210> 881
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

50 <220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

55 <400> 881
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 ctccaaccag gtctcctcag ttgggggtgcc tatgacactg cagattttgt agatttcatc 120
 tgcttcacta gccccaggaa aaatggggcg aagagacaac aactcagcca taatagctcc 180
 60 catcgcccac atatcaactt tcgatgtgta tacatatgac tgtagaagta cttcaggagc 240

5 cctgtaccag cgtgtagaaa catactcggg aaaaggtgga ctccaattaa cctcacgtgc 300
cannncaaaa tcagcaatct taatgatgtc tttagagact aacagatttt ctggcttaag 360
atcgcgggtgg aagtacctgc ccgggcggcc gctcga 396

<210> 882
10 <211> 396
<212> DNA
<213> Arabidopsis thaliana

<400> 882
15 tcgagcggcc gcccgggcag gtacaagcca cacttttaag ttcttctaca tatattagat 60
gggtggtgagg atgagactag gaaagattgt ggaagacttg aagtcgaaga taaagactgg 120
tctaaggatg cggaagagat catcattatc atcaccatca tattcatctt catcatcatc 180
atcatcatca tcatcatcgt atgagaagat agagaagagt gagagtatga gatttgagtt 240
gagaagcaga aaggctcaca aaattatcca agaaaccctt caaattgctg actctccac 300
20 ttcaagaact tatgctttct gatttcatct ttttaacatc caaaacatat tcatacatac 360
acatacataa ggatttacgt gtacctcggc cgcgac 396

<210> 883
<211> 396
25 <212> DNA
<213> Arabidopsis thaliana

<400> 883
30 gacagagagc aaaacccagt tccgacacac ttatacatca atgaccacaca tgtcgggaagc 60
agagcatttt tcatgtgaac taaagaaaga aggtagtttag taacaactct gatgacataa 120
gagagacaca cccgaaattt caatccactc cctttctctt ttcgtgaagc tgactacgta 180
acttgtagta gtgcatgctt agctattctt tgaaaggtta aaatcttctt ctccggtttt 240
tactaatcgg attttattcc tccgttatgc ttgttgctct tcttcgacga ctccctgatc 300
tgctcaagaa gcttcttttg gaatctgtaa cccttgtcag ttccataaat gtaatcacag 360
35 tacgtgaaca ctgaagcgaa gttgctttga ctttgt 396

<210> 884
<211> 396
<212> DNA
40 <213> Arabidopsis thaliana

<400> 884
cctctagagc ggccgccctt tttttttttt tttttttttt tttttgagaa aatattattc 60
tctaaatcat tgaggagatg agtttgaata caaacctaga aaggtagaga gcattgtaca 120
45 aagctatcaa gtcaacaaat aacaacttag aagaagttga caaaaaaca aaaaaaaaca 180
aaaaaaaca caacttagaa gaacagccac actcatcgtc tctcatattc agactttaat 240
catgtggcct ctttttcagg atctgatctg tgaaccggat ctctgatata tcgtccctt 300
gagatgatgc ttccctgatg ctctctggtt gtgtaaagat ccggtgacag gcactggagg 360
taggttgatg actcggcctt gcacgaaatt ccgggg 396

<210> 885
<211> 396
<212> DNA
50 <213> Arabidopsis thaliana

<400> 885
acgtcgcgatg cacgcgtacg taagcttgga tcctctagag cgcccgccct tttttttttt 60
tttttttttt ttttttttaa gaaagaaaag gtgtctctat cggattaaac catctcaaat 120
gttcataaac ttctcattgg atcataattg taccactaca acaacctcgg tgtctgacac 180
60 tgtgagctcc aacaacagtc ttaaaacata gacatatccg gaggagctcc atacatactc 240

5 ttccatgaat acggtatctg ccatttccca ccttcttccc catggaactt gtcaggagtc 300
 agaccataa gcttagatga agcctcagct agaagaaatg cttcaggaat gttgtctcct 360
 tcagaacagt aacatagcag gcatgtcatc ttcaag 396

<210> 886
 10 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 15 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 886
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 cacggtgggt ttaagactaa ccacaaaaga caacatacat aaacttctag aaaacaacaa 120
 catttagaga taatgaagca aagtctcacc tatgcttcag atttgatggg agcacttgca 180
 ttttgcgcac tgcggaagaa gaagcattac tctcaagaag ccattccctt gcgcaaatca 240
 gagcctccac tgtctcgggc ctcaagtacg tcttgtactc atccatttcc ctcggttcca 300
 25 tgtcaaagac atagtcaaag gctgcagctg aaaccgggat tgnnnggatg tctctagcca 360
 tctttgacaa ggtcgggtac ttgagcttgt tctgtt 396

<210> 887
 <211> 396
 30 <212> DNA
 <213> Arabidopsis thaliana

<400> 887
 ttggatcctc tagagcggcc gccctttttt tttttttttt tttttttttt ttttttctgg 60
 35 agttataatt attttataag aaaaatacaa cccaagatca agagtaaagc ttttacactt 120
 gccaaacgga agaatcctaa accaagtgat tcagaaatct ctatgagttc cctatgggta 180
 ccaaaaaaaaa acaattgaga gtttaagcag caggaggcct gagttcttga tcacgagatg 240
 tgtcacgaac ggattgaggc atataatgcc acattggcat gtaaccgtaa cttggataaa 300
 cagccatttt gttgtgggta aatgcagctg gaatatgagg tatgaaccct gaagatggag 360
 40 ccgtcataga ctttaactgt tgttctgtct tctctt 396

<210> 888
 <211> 396
 <212> DNA
 45 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(396)
 50 <223> n = A,T,C or G

<400> 888
 ggatcctcta gagcggccgc cctttttttt tttttttttt tttttttttt ttttttttga 60
 taggtaacca aaattaatta aggtattttt ctcccaaatt aaataactaga ggtattaaac 120
 55 gtccaaatta aaaataaatg gcggtttttt actctaccat atatcaatcc ctcccccatac 180
 cctttttttt actctctctc atctccctct ctttctatat atagatgata aatatatctc 240
 tgtctatata tacagctcaa atcataacag aggaacagct ccaatccaac aatgggtgatt 300
 ttgatgtggg gacacatgtc gtatatgtaa atgtgtgtag nnnaggaggc agggctatag 360
 agcgagtcgt gtctttatcg gcttgagttt caacc 396

60

5 <210> 889
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 889
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 ttgccaatca tcttcctcct caactgcttc ttcaactaag caagtggaag tttctgggtc 120
 ttctcctcga gtttctgttg aaccacggac tcaatcatct tgtgcagggt tcatgcctct 180
 tctcgaagac ccgaatttcc ctgatctgtt accccacaac accagactgt ggagtcctcc 240
 15 tcatcatcag tttcagggtga ataagaagca gccattggag gatgagggtta acaatcaagg 300
 tgtatctgag aagaagtctg aattgggagc tggagagaaa caaggaaagt cttttaattc 360
 cgaaagcttt caagagttta tagagttgat ggagac 396

<210> 890
 20 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

<400> 890
 25 cactctagggt ctgactctca gatcctcctc ctctctttct ctccattca cctgcaactc 60
 ccgcttctgc tctcctcctc ctctcttctc gtcctttaga ctctacaaac gattccattt 120
 ccttaaacca tgctcttccc taaagcaaac caagaagaag aagcaacagt ctctcccatc 180
 taccgctccg cctcctcaga gtctccgggtg gttcttcaat tctaaatcca ctaatgatga 240
 aaacgacgaa gatgatgtta agtctgagag cgatgatgat ggcggtatcg aaggtgatgc 300
 30 tgctattaag ggtactatct tagccggagt tttgttgatt ggtacagttg gtggattcgc 360
 cggcggttga tatgtctaca gggatcagat caatac 396

<210> 891
 <211> 396
 35 <212> DNA
 <213> Arabidopsis thaliana

<400> 891
 40 atggattcca atttctctcg ccatggttct tctcctgaag gtgattttgg tttcgctttc 60
 aatgacagta acttctccga tcgtttgctc cggatcgaga tcttgggtgg gccttcggat 120
 tctagggtcg atgctgaagg atgtacgagt attgccgatt gggctcgtca tcgcaagagg 180
 agaagagagg acaacaagaa ggacaatggt gttgcgattt cagacattgt ggcatgtgct 240
 gaagaacaga ttttaaccga taacaaccaa cctgatatgg atgatgctcc tgggtggtgat 300
 aatcttgacg atgaaggaga ggcaatggtt gaagaggctt tatcaggtga tgatgatgca 360
 45 tctagtgagc caaactgggg tattgattgt tctact 396

<210> 892
 <211> 396
 <212> DNA
 50 <213> Arabidopsis thaliana

<400> 892
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 atcaacaatg gagaatttga cggaaataga atcaacgatg gagagttaa cggaaatgga 120
 55 gagtggagaga gttgaacagg gtaccgataa ggaaattgga agtggagaga aaaggcagga 180
 tgatgtaaag gaaacggaga atgagaattc tggagagaga gtaggagagg aagctcctgt 240
 cagggaacat gaagattctc catgtctcat tgttattgaa gaaggtactt ccttagcttc 300
 ccttgaggag gtgaccaatg ctgatgatct gccgaagatt gatgatgaga agaattccca 360
 60 atttgaacaa agcccgcatc caagtccttc tccttc 396

5 <210> 893
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 893
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 ctccccgaat tttaaagatca gagccgcgac ttctctgccc ttcttttccct cgggaattttt 120
 cagctacggt ttccagggtg tgtgtattgt caatcagttg acctttgctt ttgtagccag 180
 atcgttcgtg ctttgagttt agggctcttt tacaaggttt cgtgttggtg gaatttctct 240
 15 acctaggttt gggggaagag ttcagtaatt tcgttgtaga tcgtgatttg ggcttttagg 300
 gtttcggttt actggttgct ggaatttatg gtagegttat tgaattcgga ctctctgcat 360
 gtgtaagcgt tgaagtttga agtttcaccg ggtttt 396

<210> 894
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

20 <400> 894
 25 ctcttcatta cgctagtgc gattctcact gtggttcatg tacctatatt gacaccgagt 60
 tcagagagag agacagaatg gaatttgaag tagagtcaag tggggatttt cagaccctta 120
 agagcgggtt gtttgacaga tttccagtg agaggagtgt tgtgtctaac ctttccagaa 180
 atgggtggcat gtctatatct gtgcatagca atgaacagtg gattggggat gatgatcttt 240
 cacattcaga cgctgcactc ggtaatgaga catattcaaa tagtctgggt caattgcaag 300
 30 ctaggggaagt gaacattccc aacttcccgg tttctgacac ccagtatcag cttatgtctt 360
 tggatgagcg acttcttctg gaactacaga gcattg 396

<210> 895
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

35 <400> 895
 40 tttttttttt tttttttttt tttttttttt tttttattcc aatttggttag tttttattca 60
 atccatttgt ttctttttcc atttcggaaa gctcaatgat ttccagtaac aatgaaacca 120
 aaaaaaaaaa aatggaaaac agagcaagca agaaacagag tatataaggg ggattcaact 180
 gaattaagct tcccaaccac gcaactgggt ggctcgagcg actcgggtta ctccaagagt 240
 gaaagctccc atacggaggt tgcaagaatg agtatggcac attgtcttga tgttgtgaaa 300
 ggctcgagtc atgtattttt gcagctccaa gttcactttt tcctcttccc acatgaatcc 360
 45 ttgaatgttc tgcaccact cgaagtaact cactg 395

<210> 896
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

50 <400> 896
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 ctacaaataa aaaagggtta tggaagaact aaatgaatcc aacatgacat ttttacagcg 120
 55 acattcacia agaaagctct tctagattgc tgtcctcttg agaacaattc tggagagctc 180
 ttgagagact agcttcatat ccggtctctc tgggtgctgg gagatacagc tcagagcaac 240
 ctgcaagaca tcagtaagaa ccccaaaggg attccttgag ccctgtgatc caacaatcga 300
 tggatcaaaa cactcagttg cacggttttg tcccacaagc agtagaacc attcagtgag 360
 60 ttcaacgaca cctggatcac tgcacactat atctc 395

5 <210> 897
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

15 <400> 897
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 acgtaacata tcgggtgatg gacaaaaaac atagaggtag gacaaacaat gtggatgtta 120
 tatannncga tactgcatgg tatcggaag atcatcttat acaaattaca gaccctaaat 180
 ctctgctccg agtctgagcc acaccgacca gaaccgagca aaacagtgga catgacatgc 240
 20 cggatcact tggaccaagc aacagcatcg atctcgatt gggctgctcg atacaattct 300
 agcngctttg agatggcact gcgtctctcc atgattgctg gatcttcgtt caatagcgac 360
 gagagcctct tcatatccat ggtaccgagc tccgc 395

<210> 898
 25 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

<400> 898
 30 cttttttttt tttttttttt gagaaagtat gaatgtagcg agagtgcacat aagacttggg 60
 tgggacaagg agtcgggaga aaagttaaaa gttttgaact ttcgatccca agtatcataa 120
 tggttctaag tgtgagaact ttcgtgctgt tcatgcaact cagtaatcga atccaagaat 180
 tgagcattcc atttccacct tgatatggga catgcatgat cagcgagctc tctagatgtc 240
 cagcatgatt gtttataacc tgagtaatca atgtagcaac tggattcgaa ccatcaggcg 300
 35 tgttggttga attgataatc ttcttccgca tgtccaagac gagatgagac atttgactcc 360
 acacatgttc ccatcgcttc gacacaacac tcgtc 395

<210> 899
 <211> 395
 40 <212> DNA
 <213> Arabidopsis thaliana

<400> 899
 45 tcgagcggcc gcccgggcag gtaccacgat ctgtgtatac atctgggaag tcctcttctg 60
 cagctgggtt gactgcaact gtggcaaaaag aaccggaaac tggatgaattc tgcatgaggt 120
 ctggtgcttt aatgcttgct gacaatggaa tatgttgcac tgacgagttt gacaagatgg 180
 atatcaaaga tcaggttgct attcatgaag caatggagca gcagacgata agcattacaa 240
 aagctggtat acaagcaacc ttgaatgcta ggacatcaat tcttgagca gctaattcctg 300
 ttggtgggag atatgataaa tctaaaccac ttaagtataa cgtaattctt ccacctgcca 360
 50 ttctttcgag gtttgatctt gtgtacctcg gccgc 395

<210> 900
 <211> 395
 <212> DNA
 55 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(395)
 60 <223> n = A,T,C or G

5
 <400> 900
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 tcgaatgggtc aaaatggcan gtcttttggg tcgatgagag ggtttgtgca tgggaagatc 120
 cagacagtaa ctacaaactc gccatggagg gttttctctc taaggttccg attccggata 180
 10 agaacatcta cgcaatcgac aagcacttgg cggctgatgg taacgccgag cactgcgcga 240
 cgctctacga ggagtgtcta aagaatctgg tgaaagaaaa gattatccca atatcgaaaa 300
 agacagggtta tcctgagttt gatctacaac ttctagggat gggtcctgat ggccacatgg 360
 cgtctctctt cccaaacctat ccacagataa atgag 395

15
 <210> 901
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

20
 <400> 901
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 gatattctggt tggtcggaga tggagatgat cggaggagac gatacagata cagagatgta 120
 cggagctcta gtgacggcac agtccttaag gttgcgtcat cttcaccact gcagagagaa 180
 ccagtgtacc tctgttctcg tcaaatatcat tcaagctcct gttcatcttg tttggtcact 240
 25 ggtgcccaga tttgatcagc cgcagaaata caaacattt ataagcagat gcactgtaaa 300
 tgggtatcct gagatcgggt gtctcagaga agtaaatgtc aaatctgggtc ttccagcaac 360
 caccagtacc tcggccgcga ccggcgcgcc ggatc 395

<210> 902
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

30
 <400> 902
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 cactataatg acagctgttc cagccattct tgatcgtgtc agggatgggtg tccgcaaaaa 120
 gggtgatgca aagggcggat tgtcaaagaa attgtttgac tttgcatatg ctccggcgatt 180
 atctgcaatc aatggaagtt ggtttggagc ctggggattg gaaaagcttt tgtgggatgt 240
 gcttgtgttc aggaaaatcc gtgcagtttt gggaggtcaa atccgctatt tgctctctgg 300
 40 tgggtcccct ctttctgggt acactcagag attcattaac atctgcgttg gggctccaat 360
 cggtcagggg tatggggtca cagagacttg tgctg 395

<210> 903
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

45
 <400> 903
 caatctcgat gaagcgggtga tgacaggga cacaccaaac gaagtgccaa cactagaatc 60
 50 agcatcaatg gagataaggg tacttctttt accaaacatg atagacaaac aaatgtcatc 120
 actgttagag gaaagaccat cacagaagaa gaaaggaaaa gacgccacgg aatcattgtc 180
 gagctgcttc gtgggtttat actcgatcaa atcagtgaac aaggcacgat gggatgttat 240
 tataggtgta gtggctctga tagcaatgtt gttttatcta gaataagagg cttatggaag 300
 tagcgaaaaa cagtgtccta gctatgtttg tatcatcttt tctcggacat tgacaaggat 360
 55 tatatgatgt ttttgtgtaa aaaaaaaaaa aaaaa 395

<210> 904
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

60

5
 <220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

10
 <400> 904
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 gccngtgccg cgggtgtcgc tttatgtgct gcctcacgac atgtagaaga aacgtttccg 120
 tgggttgaaa tgatgtgagg aggaggacca agacagtcgt ggctgtgagt caacacgatg 180
 15 tttggtgttg catcacatcg ttcaaagact ccgagaaccg tcaagtgacc ctgtgttggt 240
 ccttagtact tttgcttcca ttctgttaat aatgatcttt aaatgcaata gaaacaattt 300
 catatgtata tttcaagtct aaacgttctt ccgtgaaacc ttgtgtttct atgcgagaac 360
 ttaacattgt cgatattgtt atgttatttc atagt 395

20
 <210> 905
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

25
 <220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

30
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 caaggggacg gatgcagtgg aaattctgga agggagatct tttaaaactta aatatccgtg 180
 ggttggtgtc gtcaaccgtt cccaagcaga tattaacaag aatgtcgaca tgattgcggc 240
 35 tcggaaaaga gagagggagt acttttccaa tactactgag tataggcacc ttgctaataa 300
 aatgggttcc gagcatnnng caaagatgct ctccaagcat ctagaacgtg tgatcaagtc 360
 gagaattcct ggcattcagt cacttattaa caaaa 395

40
 <210> 906
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

45
 <400> 906
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 caatgtgaag accgcaacag atctttttaa acttgatctt gccgatgtca accataggaa 120
 tccgagggga tatacgggtc ttcatgttgc tgcgatgcgg aaggagccac aattgatact 180
 atctctattg gaaaaagggt caagtgcac agaaagcaact ttggaaggta gaaccgcact 240
 catgatcgca aaacaagcca ctatggcggg tgaatgtaat aatatcccg agcaatgcaa 300
 50 gcattctctc aaaggccgac tatgtgtaga aatactagag caagaagaca aacgagaacc 360
 aattcctaga gatgttcttc cctcttttgc agtgg 395

55
 <210> 907
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

60
 <400> 907
 atttgtaaca tttagggtaa agaaagattt aaatgtcaac ttattaaata tgtatattgg 60
 aaaaaaccca aactatagtc taatagtggg agggaaaatc caggcatagc ttatatggta 120

5 catcccaaag accaaaccag atttccaact tccatgtcaa agaaaccaac aaggagaaac 180
aaaggaaact gtttaacttg atgatattag ttcttcgagt attcggacga atgaatcgga 240
gaataccctt ctggcagttg ctgctgcgac tgtgctggtt gcgatgggtg ctcagcttca 300
acctttctctt ttgttttctg tccaacctct ccagctgctt gagccactct attgaatgct 360
cctgcggccc agctcacacc agttaacacg taacg 395

10 <210> 908
<211> 395
<212> DNA
<213> Arabidopsis thaliana

15 <400> 908
tttgatagaa catgttttaga aggtaacggg tgtgtaaacc acacattcag caattgtaca 60
tagaaagaaa gactaaaata gaacgagaga gataaaatga gtctctatcc ccctcaagta 120
aaaatcagtc atctcaccca caagcatcca aaagataata acgtagggca gatgcagaga 180
20 caaaacacac aaatttgctc tcaagagttt catctttctt cattctctcg aaacttttca 240
cctgaagtag atagagacga gaggaatctc gacgtcattg tcattcttcat cctcacaagc 300
caccactaca tcaagatggg tgcgataagg cggtaactcg actttcgcaa catcccgagc 360
gagatccaca accttcttgt ccatcctctc cttgt 395

25 <210> 909
<211> 395
<212> DNA
<213> Arabidopsis thaliana

30 <400> 909
cttttttttt tttttttttt ttttttagta aattgccaag tacaagtatc gtccaaatat 60
tggtttgcaa gaattagtgt cagtaccagc aatagcaaca ttgcagattg tcgaacatgc 120
atacatatat gtataatata tatagcctat acaaaacaaa tttcaagaag tacaatctaa 180
gaagaaacat atagtatgag aatatagaaa tcacaaaaac aaaaaacaaa aaaaggtagc 240
35 acaacgaact gaatgaagat attctcagag atcttgggaa gcacagagcg cagtcgataa 300
cgccgggaag aaatgttcca gacttattta ccgcagttga atccccaca aattgagagg 360
atgatgatga gaatcaaggc aatgataatt gcaag 395

40 <210> 910
<211> 395
<212> DNA
<213> Arabidopsis thaliana

45 <220>
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<222> (1) ... (395)
<223> n = A,T,C or G

50 <400> 910
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tttatttttc tgaatagctt aagagaaatt tgatcttcgt cttcgtcact acgtccccag 120
ctctcgagct ttgttcactc gatttctctc atacatttcc ttaaaaccca aaattcttaa 180
gcctaatacca aaggagaaaa aaacagagca tttttcttct tctccaattt aaacagtttc 240
ctaataatct cactttgtct actcgattct cccaactcca atttgactca tcggaatcat 300
55 gccattatca atgaatctc cgacnaatcc nncaccattg ttccgttgca tctccgtcat 360
gtaactctc acttccgctt taatcatctc ttgca 395

60 <210> 911
<211> 395
<212> DNA

5 <213> Arabidopsis thaliana

<400> 911

tatagtgtag	gaaaaagaat	gtcaaataga	aggaagaaga	acgtaatggt	actctctttt	60
acatacaatg	atgatatact	ataaaggcaa	tggagacagc	atcgcattag	tttgcgagta	120
10 tctgggttct	ttcttcatcg	atatctatcg	caaggacacg	gtctgggtct	gagccgcttg	180
gcccttccgc	gtaaagagtt	ggaagatagg	ccttatacgc	cggcaaatac	cgcgacacaa	240
agtcattcac	ctctcatcc	gacatcccag	cttgccatc	ctgcctcatg	gcgatttccg	300
cctgaagacg	ccaccggtat	acataacttg	ggtcctggat	tttgatgacg	acccaagcat	360
15 cgatgtactt	gtcccatgcg	tcgtaatacg	cttca			395

<210> 912

<211> 395

<212> DNA

<213> Arabidopsis thaliana

20

<400> 912

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aatacatcat	cgtaaaaaatc	taaacttgaa	ttaggtaaat	aaaagcttaa	gcacgttctc	180
25 cactgaattct	tctagccaat	tgaatgtcct	taggcatgat	cgtaaccctc	ttggcgtgaa	240
tagcgcagag	attagtatcc	tcgaaaagtc	caactaggta	tgctcagcc	gcctcttgaa	300
gagctaacac	cgcgtgactc	tgaaacctca	gatccgtctt	gaagtcctga	gctatttccc	360
gaacgagacg	ctggaaggga	agcttgcgga	tcaac			395

30 <210> 913

<211> 395

<212> DNA

<213> Arabidopsis thaliana

35 <400> 913

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tctaagttaa	atcatctttt	aaaccaccaa	aattcaccca	atgacacgaa	aacatttcta	120
gcacaaagaa	aatcaaattc	tatcctgaga	tccaatccaa	ttccaagcta	ttagtccctc	180
atgatccgag	tgtagaacat	gtcctaatag	catctacgcc	aaaagcgcaa	cttcagaagg	240
40 gttttgactc	ctctgctttc	actatttcgg	tcctaagcct	aaaacggaca	tactaatccg	300
actgatactc	aaccggatca	accgggctga	gacaaaaatt	tcttgaagtc	gagggtttat	360
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<210> 914

45 <211> 395

<212> DNA

<213> Arabidopsis thaliana

<220>

50 <221> misc_feature

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<223> n = A,T,C or G

<400> 914

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cgcttggtta	gaacaaacaa	acaaacgaaa	ggacaaaaaa	agaaaaataa	atctcacaga	120
atatatttgt	ttgtgtatgt	ttgcctagga	atgatgactg	gtgcttccat	cttcttgatg	180
gttgtgatga	tgatctccgt	cacggttttg	ctgggtgttg	ttatggttcc	ccgtctccgc	240
caccggtcgg	taagcagcat	tcaacgccgc	taaaactcca	taatggctat	gttctccacn	300

5 nnnncctcct cctcctccat aaccagaagc caaaggctgt ccagaaaaca aagcaatagg 360
agctgcaaaa ttcattcaaat gaactccact accgc 395

<210> 915
<211> 395
10 <212> DNA
<213> Arabidopsis thaliana

<400> 915
15 tttaacttgt aaatcatatc aatatcacca ttaaaccacca ccaccaattt taaatatggg 60
taggcttcag atatctgact ataataatat agagcatatg agcgtatatt aataatacaa 120
ggcaaaaaa aaacatataa gccaaaagga tttacggacc gaagactttt ttccccaggc 180
tacttaggta cccgtttctt tgcataacca tttacctgtt tgctgctgta agcgagccag 240
aaaggcgtgt atcttttcaag cacccggaag tcaccagatg tttgtttgga gccgtgaaca 300
gcatggaacc aagccggtga atttgcaaaa gagtttataa acccgttgca tccaagtttt 360
20 gtcttttctca ccctcagcca ttgtaaggat gtttt 395

<210> 916
<211> 395
<212> DNA
25 <213> Arabidopsis thaliana

<400> 916
30 tcgagcggcc gcccgggcag gtatttggtg aagtcacgag aatcaacgat gacggcgacg 60
aacaagcaag tcatattgaa agactacgtg agtggtttcc ctacggaatc cgatttcgat 120
ttcactacca ccaccgtcga acttaggggt ccggaaggta ctaactctgt tctagtgaag 180
aatctctact tgtcatgcga tctttacatg agaattcgca tggggaaacc tgatccttcc 240
actgctgctc ttgctcaagc ttacactccc ggccagccaa tccaagggtg tggagtgtct 300
agaataatag aatctggaca tccagattac aagaaaggag acttactctg gggatatagt 360
gcatgggagg agtacctcgg ccgcgaccgg cgcgc 395

<210> 917
<211> 395
<212> DNA
35 <213> Arabidopsis thaliana

<400> 917
40 acaagtgcga atttcgaacg gagctacgat tccatggcga ccaacggaga gaaggtcacg 60
gctacgggtg tgaatggcgg agggctatct actggtgaaa accctaagaa aattgtagac 120
ctcaacacta cggagttaga tctgactgac gacattctcg acggagaagt caagggattt 180
45 tcagattctg gtgaaaagaa ggaagaaacc gactctaatt gtattggatc gacggctggg 240
gttgattctg gggatatctc tccggctcgt gatatccaga agaagattcg acgtgctgag 300
agggttggtg tttcgggtgaa attgaccgaa gaggagaagc gcaattctcg tgctgagagg 360
tttggtactg tagctgcagc agtggtgaat ggctc 395

<210> 918
<211> 395
<212> DNA
50 <213> Arabidopsis thaliana

<400> 918
55 cttttttttt tttttttttt aggcagaatt aaaattttatt agatatgaat atcatgaaga 60
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ttcaagtaat acgaagggtg atgtgaagct tagtactcag tttttggaga aggtgagtat 180
gatgggtggg gtggagaact gtagacatat ggtggtggag gagatttgta gtcaacctta 240
60 ggggaagggt agtagtatgg tgggtggagga gattttagt caaccttagg ggaagggtgag 300

5 tagtatggtg gtggtggtga actatagacg tatggtggtg gtggagattt gtaatctacc 360
ttaggggacg gtgagtagta tggtcggacg cgtgg 395

<210> 919
<211> 395
10 <212> DNA
<213> Arabidopsis thaliana

<400> 919
15 taaaattcag agttttcatt tcacaagcat tttccatcga agacaaacag taacaaaaag 60
taaaaaaggg taaaacacaa tcaccgtaaa aaaagcaatt actggcaaag ttgttcgacg 120
gcagtgcga tctgagctgg ctgaacaacc gtccattctt ccaatgtacc ggcgtaagga 180
gttgggacat cctgagaaga caaacacatc accggagcat ctaagtaatc atgaaagtgc 240
tcgtttattg cagccgtcaa actggctccg attcctcccg ttctcatata ttctccaca 300
atcaaaaccc ggtgtgtctt cttcaccgag tttccaattg ttagagatc aaacggcttc 360
20 aacgacctta tgtcgataac ctctggatca taccc 395

<210> 920
<211> 395
<212> DNA
25 <213> Arabidopsis thaliana

<400> 920
30 agcggccgcc cttttttttt tttttttcgg gggtttaaca tcagataaag ctacattaca 60
tataatcttg taaagctgaa tgatacatat tctagtaaaa ataattaacg ttacataaaa 120
ttacactcgt agatttcaca acaacacatc ttctattgag aagattcttt ttcaatgtct 180
ggtataggga agttttacta gcttgttcca tactcaagta attcccacct gaatggctga 240
aagacatata gcacttcgg gcaactcttg aacaaaagag cgacacaaac gcaaaccgct 300
gctatcgcta ccatcgaaag cattgctggc ctgtaggcaa cagacttggtg gtgcgttggtg 360
35 acaaacacac gtttgtgatc acagagctta cattg 395

<210> 921
<211> 395
<212> DNA
<213> Arabidopsis thaliana

40 <400> 921
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aaaacaactt agagaagaaa aacacatata taaaaccaga atccatgaag agaaagatcc 120
acaacataac ataccaaagc attaatatat ataaatgcct aagtcaagta aggtgatgca 180
45 acggcataaa gaggggaactc gcggtgaacc gaaaaaccgc tggattcagc gacatcagtt 240
ttgtcttctt tagattcctc cggtagtttc caatcaaacc catgcaactaa gttagccaaa 300
accacctcat tcaataccac agcgaatgat actgctggac aaatccttct ccctgctcca 360
aatggaagca gctcaaagtt ttgacctcgg aaatc 395

50 <210> 922
<211> 395
<212> DNA
<213> Arabidopsis thaliana

55 <220>
<221> misc_feature
<222> (1)... (395)
<223> n = A,T,C or G

60 <400> 922

5 acatttcgta gtaattatta tgtttttggt gtcagcagag tttgatttta taacgaaatt 60
 gggcaacccc tacatatact gtatctttct tatgacttat gagatcaaat tacagaagaa 120
 aacgtcaatt gctcacacat tgttttatgt ttgctgcctt ttgttttcat gcaacgcaaa 180
 agaagatgtg atcacatctg agcaaccagt tcctctcttc cctgagcagc aacagtcaca 240
 gtagcatctt cgataagtga attctccatc catcgcttca gcattttcaa tgcagcttta 300
 10 ggctgggtcca ttggaacnat gtgtcctgca tctctcannt tgaggaaact gagttgttca 360
 taagtcttta acaagcctgc ttctttgcca tccac 395

<210> 923

<211> 395

15 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

20 <222> (1)...(395)

<223> n = A,T,C or G

<400> 923

25 tttttttttt tttttttttt tttttttttt tttttaatag aaaatttctt ttgaagtcta 60
 taaccaaaaa aaatgataaa ttaaaagaag aaaaaagata agaaaaaaaa aaaaaaaaaa 120
 gagttctaaa cgttacaaaa agtttgagca aacatcatct cgcttcttta actcatttaa 180
 agagaaacga tggattctct ctccctcctc atgatgtctt ttgggacct aaagttttca 240
 ccggtgtgaa acttaccgcg gaccgggttt cctgactgga acattgtcct catcatcaga 300
 ttggatatct ccgtactccc agattccggg cctngatttg cgagcttcgt cttggaactt 360
 30 ctcaagagca tcaagagcgg cttgcttgct ttttg 395

<210> 924

<211> 395

<212> DNA

35 <213> Arabidopsis thaliana

<220>

<221> misc_feature

40 <222> (1)...(395)

<223> n = A,T,C or G

<400> 924

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 accaataaat gtatataata tagacaaaca atgaaacaaa caccaccaac aacaaaaaag 120
 45 taccactttt agagttcttt tagactaaac atagatcaca aacttggtac ggagattgag 180
 attgatatcg gaactgagac atccgttgta aaaccaccgt ctctattccc atttgatttc 240
 cctacaaacc cgtaaacgcc agaccgcatc gctgcatttt cccgcctctg aaaaaccoga 300
 gcaagcgann ngctttccgt ctagcccgct ttgtcccgtt aaacaaaagc gtctgtagca 360
 accccgcaat cgcaggtgct ctcaacactt tctcc 395

50

<210> 925

<211> 395

<212> DNA

<213> Arabidopsis thaliana

55

<400> 925

ggccgcgcgg ccgcggataa tacattgaac attcattctt atgagcaaga atttggaact 60
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 agcaataactt ggatctcctg gatgatttaa acaagaccaa gcttggtgtg ttacggagca 180
 60 tcacaaaatg gtctattacc actagagctt aagagacctc tataaaccag ttattttctg 240

5	tctcagagag	aggaagaatg	tctaaacagt	atgtgccatg	gcttgtgtca	tccgctttaa	300
	ctccagcgtc	catgaatggt	tttacgttgt	tgggaaaatt	ctgtgttgcg	gatgatgtgt	360
	gagctgctac	gtaacttagc	atataacagc	aaaag			395

<210> 926

10 <211> 395

<212> DNA

<213> Arabidopsis thaliana

<400> 926

15	cctctagagc	ggcgcgccctt	tttttttttt	ttttttttta	gagaggaatc	aatgatttga	60
	ttaaacaag	ccaagacgaa	cgggactaaa	cgggagatag	aaaaataact	ttataaacca	120
	gaaatcaata	gaaacacacc	aagggaagaa	gaagggaag	caagcaagca	ccagaagatt	180
	ctaagtatac	tactaacaag	ctttaaactg	aacacaaacc	ccaaaccgaa	gagaataaaa	240
	acagagtatt	ctacatagtc	ttgcatagtt	acgtttcatc	agccaaaact	tgaaaagaag	300
20	agaagccagt	gaaaacaaaa	gtttgaatct	ctgaacaagg	agcaaccgaa	ataaacagtt	360
	tacctttagt	ttaagaagag	caacatgctc	gtttc			395

<210> 927

<211> 395

25 <212> DNA

<213> Arabidopsis thaliana

<400> 927

30	ggatcctcta	gagcggccgc	cctttttttt	tttttttttg	gcctaagaac	ttttatcaac	60
	ttaagagatt	tggacatttg	ttcaaaatga	tgatgcaata	cacaacaaac	agatgatata	120
	cacacacaaa	tatatatac	ttctctcaca	gttttcaaag	aatggcccac	ccatctttct	180
	cgtttttgaa	atctactcat	cagccacggg	cgggtcgacc	caacgaccat	gttctttgat	240
	cagaccgata	agagcatctg	ttgcctccgt	catagctatc	ccacgcttca	ccaccgtctt	300
	tccgacataa	aggtcgattt	ttccgggaga	accacctaca	tatccgaaat	cagcatctgc	360
35	catttctcct	ggtccattca	caatgcatcc	catga			395

<210> 928

<211> 395

<212> DNA

40 <213> Arabidopsis thaliana

<400> 928

45	ggatcctcta	gagcggccgc	cctttttttt	tttttttttt	attgaatgta	attatagata	60
	ttattcataa	tcagtttgtc	acatacaatc	tcttgcacag	atatatacct	ttaagtaaac	120
	acaaaaaagc	agaacaaaat	cctttttttaa	aaccttcata	gcttcaatcg	aaccgacagt	180
	tttgacttta	ggcataacca	tgtagttttt	taagatcagt	cgctggtgaa	tgccattctt	240
	tgtttctgag	cttccgatgg	gagcttgaca	tcagttgcta	aaccgatggc	ttgaaggaac	300
	ttaacgacgt	accaagtcat	atcaagttgc	caccattcta	agccgtgtcg	agctgagaac	360
50	tcaaaagcat	ggtgattggt	gtgccatcct	tcccc			395

<210> 929

<211> 395

<212> DNA

<213> Arabidopsis thaliana

55

<400> 929

60	gattcgatta	cgacgacaag	gaaatagaaa	gcgaagaggg	cttatcaacg	ctttatgata	60
	gatggaggag	ccaccactcc	gttcctagga	gtctaaatga	aagggagaag	agattcaacg	120
	ttttcagaca	caatgtcatg	catgtccaca	ataccaacaa	gaagaaccga	tcctacaaac	180
60	ttaagctcaa	caagtttgca	gatttaacaa	ttaatgagtt	caagaatgca	tacaccggtt	240

5 ccaacatcaa gcatcacaga atgttgcaag gacccaaaacg cggctcaaaa cagttcatgt 300
atgatcatga gaatttatcc aaattaccgt cctccgttga ttggagaaag aaagggtgctg 360
tcaactgaaat caagaatcaa ggaaaatgtg gaagt 395

<210> 930
10 <211> 394
<212> DNA
<213> Arabidopsis thaliana

<400> 930
15 tttttttttt tatctaagaa ctagaacagt ttcaccttca tatttcacat agggccaaaa 60
ggccataaac atagagagag agagggttcta cctcttttagt tctacatact tatatataga 120
taacttttagg gtaagctaaa aactaaaaag tctttttatat ataaggcgtt atatgcgtta 180
tattcgcttg cttatctaaa ggtcaatgct tttaatgagc ttcattgttg cgagtctctc 240
gagaaagaca ttgaaaacgt cttcacgact aagcatgctg actcggacat gcttcttgct 300
20 agatccacaa cgctctccag ctctgctcat taccttgtgt ctctcaatt cacttaccag 360
atccgtctct tccttcgtcc ctagccacgc aaac 394

<210> 931
<211> 394
25 <212> DNA
<213> Arabidopsis thaliana

<400> 931
30 ttttttaact gtttaaagt tttaccgaac ttttttccac cccgccaaaa agacgggttcg 60
gagacatcat tatattttaca tctttaccct caccaattat cttaattacg aatctacccc 120
tcaccgggaa aaaaaaaaga acaagaaaaa acaactcaaa cgaccaccgt cctgatacta 180
ctcgggaagt accctccgga gattcgatca ttcagatcat cttcaagctc gatcctaata 240
acagaatctt ccgaagacga aactcgagat ttcacgctat tcaagctcga acccattgct 300
tcctcaagcc attcctctaa gctaattctta cttagccaga tcgcacctgc aattctctcc 360
35 aaagcatcat cttcaatctc caccgttagt ccat 394

<210> 932
<211> 394
<212> DNA
40 <213> Arabidopsis thaliana

<400> 932
45 tttttttttt ttttttttga atgaataaaa gtcttataat tatgatgtgt gtacaactac 60
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agactcggag agttcttcca tgagttcctt ttgctccaaa gcagcacaag cctgcactgc 180
gtcctctaaa gcaccgtcaa gaaatgttgt aagcgcaaaag ttcattctta gcttatgatc 240
agtcactcta ctgtccttat aattgtatgt tcttatcttt tctgaacgag ctccagtcgc 300
aacctgagat ttcttttcat tccttatctt ctcttggtgt tcccttactt ttatttcata 360
50 cagttttgct cgcagaagct ggaaagcacg cgcc 394

<210> 933
<211> 394
<212> DNA
<213> Arabidopsis thaliana

55 <220>
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<222> (1)... (394)
<223> n = A,T,C or G

60

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atctcaccag ttcgtaatgc ttcaggcaag acagcatatt ttgtgggtgt tcaagtnnna 180
gcaagttgta gaaatactga aattaaagag ctgagaccag agacgagaca actgagtgtt 240
10 gtcggtgcgg ttagagttgc ggtagaagc tcattgatgg tgacatgcta atatacgcca 300
gaaagaaaat gcgtcgactt nnagaagagt ctaaagtga ttggacatac atctttacta 360
tatgtataat catttgacat actacattaa tata 394

<210> 934
15 <211> 394
<212> DNA
<213> Arabidopsis thaliana

<400> 934
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ggctcaggaa ctgatttcag ttgatgcct gtctccagaa tcctgggtgt cagttgggaa 180
ctgttacagt ttgctgaagg atcatgatac tgctctcaaa atgtttcaga gagctatcca 240
actgaatgaa agattcacat atgcacatac cctttgtggc cacgagtttg ccgcattgga 300
25 agaattcgag gatgcagaga gatgctaccg gaaggctctg ggcatagata cgagacacta 360
taatgcatgg tacggtcttg gaatgaccta tctt 394

<210> 935
30 <211> 394
<212> DNA
<213> Arabidopsis thaliana

<400> 935
35 tgatcagttt ctctccattg gtgatcgctc gtcagaaaaa ttgagctcga ttttgtataa 60
attgaagaaa aagaagaaga tcatcaaag cgtgattttt acttttccgt tcaagtgatt 120
gatcaagggg acataagcag ctagagacca caccactcag ttatttctat ctcatagtgc 180
ttgtggatgt tcaagctata agaatgtgct cggtggttct atgaatatat aggaagattg 240
gtgttttgat gggatgggac accaaattgc taaggtttat ggtgttatca attactagta 300
cgtgttatct tccgaacaac caccaccatg gaatctcatc tgggaaatgg agtaggcagt 360
40 tcgagatctg ccaaaaatac aaagaacact tcta 394

<210> 936
<211> 394
<212> DNA
45 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(394)
50 <223> n = A,T,C or G

<400> 936
55 gaatagctgc caggttggtt gaaacgaaag gacgcacaac ttggattgat aaactatggg 60
gcgagtgggt aggagacgag ggtccttcag atgaggagaa ggctacgatc ccggagcatg 120
actttgccat tgtcacattc tctacttct acaatttggg taggctgggt ttgcttgatg 180
atccgggccc tcttctcaca tctagtcagt cagaatcagg gaatgggtgag gacagtggca 240
ggaagagaaa gaagtcttct tcggatccag annacaccag tgaatctctg tgtaatcagt 300
atgactcttc tgaggaggtt tcttcaggtc ataattcaaa ctcgtcaaga gatctaatag 360
ctgattatga tgatagtctc atgagcaaaa gagt 394

60

5 <210> 937
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
 <221> misc_feature
 <222> (1)...(394)
 <223> n = A,T,C or G

15 <400> 937
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 tacctagagc ctacatagct aacaatgccg actgaagaag aaatatcaac ttttgaccca 120
 atctgaaacc acgtgtcatc aagaggatat aacctcaaca cgtattagac aagtaatcgg 180
 aagatttccg ataacaactt ttgccgttga gcaccgatca cggtgagaga atcagcgtcg 240
 20 ataacaatcg aattgtgatt cttttggtta tcatcgaagt taaaccatcg aagctccaat 300
 ataatttaac agcataanna tatccgaata agcgtcggaa aattcttcgt ttcttcaacc 360
 aaggacgcca tctcttaata attcttgtta ctct 394

<210> 938
 25 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

<400> 938
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 agcttggttg gtgttttcaa cagagtatcc atcgaattcc cccaaaatcg aagaaaacac 180
 caaaaggata taattcaaaa atcaccggac acgatttcta accagaggga ttgagaaaat 240
 ggaatactaa attgctagag aaaagatgaa cgaagaccac aaaacttacc cagaagcagt 300
 35 agcttcatgg agatggagac aattatcttc ttcccagaaa gagagagaaa gagagaattg 360
 agacctgccc gggcggccgc tcgacgcgcc agaa 394

<210> 939
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 40 <212> DNA
 <213> Arabidopsis thaliana

<400> 939
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 45 gtggatcggc tgaagtgtg tatatgagaa gaagtgatgc aattcaagct atgaacatct 120
 cttaaagcaa gacttcgcat cttgtcatgt acttttgtgt tctttattcg tagtctctga 180
 ctaaatatgt gccaaagtct ggtttggttt aattacgttt aggatggctc tactctgctt 240
 tcgttttctt cttttcttgc ttcacacttt cacagtcact tttggttatt gaagttaaaa 300
 gagatttagc tgtaaatgag aaagctgttc ttgttagttg gttgaatcta atcatatacg 360
 50 aatttatctt aaaaaaaaaa aaaaaaaaaa aaaa 394

<210> 940
 <211> 394
 <212> DNA
 55 <213> Arabidopsis thaliana

<400> 940
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 acaaaaaccc actaaaaaag aagacgaaat agttagaaaag tcccacaact acgaaaaaaa 120
 60 taactgtatt atttgattgc ctataagact catgaatttt atatataata catacagttt 180

5 cactacttgt gccttcaact ctccatagat gtgtaaactc ctgcaaccaa gaagatgaac 240
 atagcagtga gagctggctc aggccttctat attcaagtcc tttagtatcg tgtcatgtgt 300
 tgtaatatgt gaggaccgga tgtctgcgaa accaattgtt ctgaactttg ggaggggtctt 360
 aagagatgat tcggaccatt tgggttcacc atcg 394

10 <210> 941
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

15 <220>
 <221> misc_feature
 <222> (1) ... (394)
 <223> n = A,T,C or G

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 gcaagactta atttcaaaga tcactttggg ctccacgact ggagtaaagt agttaatgcy 180
 gtatgagacg aaccagtttc tgtcaaggct aattcggctg cgttcttcat agccatnntt 240
 25 ctctccctaa cgggacactc cccaattatc tcttggactc gtttctccac ctctgtagag 300
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 atcactctat taaacctctg ctacgcgtac aacg 394

<210> 942
 30 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

<400> 942
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 tgtacaaaaa ttttatatta gacctacatc catttatcaa ataataact tttcaacatg 120
 acatccatct aaattcaagc taagatcatc tttcgaattt ttcgatcaga tcattgccgt 180
 taagcaaata taaaacaaat caggagcaaa ccttattgtt ctcccttagg tatgcatgtg 240
 cacctcttct gttcttctgt taactcctgg atctgccttt gaagaacttt cacgtattct 300
 40 actgcttctt ctaacatgtc tgcagtgttg gtttgcttgc ccatgttagg tacaagctct 360
 tgtagcttcc ttatccgac actaatccgc gtcc 394

<210> 943
 <211> 394
 45 <212> DNA
 <213> Arabidopsis thaliana

<400> 943
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 50 aaaaagaact ttgcacaaat gaatttatca aatcaatagt tacaacaacg aagaaaatgt 120
 acaatttttc attcttttgc ttacatatgt tgcagtcttg gttgtttcat tgggggtgaa 180
 ctatctttgt cctttaacgg tttagggtta tctccatctt ttgttttgtt ccagagagag 240
 ctgatgaatt gggctgcgcc gcttctagag agagtacact cttgtaaaat tcatacgaag 300
 taaagaatat ggctccttgc gacatgtaca tcactagtct ggggatcaag cctctgtata 360
 55 gtectctcag accttcttgc ctgcgtattg attg 394

<210> 944
 <211> 394
 <212> DNA
 60 <213> Arabidopsis thaliana

5 <400> 944
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tgcagtagtt cgagcatgct tccgacactg gagaggtacc aaaagtgtaa ctatggagca 180
10 ccagaaccca atgtgccttc aagagaggcc ttagcagttg tacccaattc tcttctcttt 240
cttctaatta ccttaattaa ttactctcaa tttttacttt gattttttaga gtcaaagtat 300
taatgttata atttgcata tacttcagga acttagtagc cagcaggagt atctcaagct 360
taaggagcgt tatgacgctt tacagagaac ccaa 394

15 <210> 945
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<212> DNA
<213> Arabidopsis thaliana

20 <220>
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<222> (1)...(394)
<223> n = A,T,C or G

25 <400> 945
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taagttcctc cgccgacggg atgccgtcgt agccgcttgt tctggcactt tccccgcgc 180
tctgccacca ggccctttaac tcctcctcaa gaaagtcttg gtttgagata aactgagact 240
30 caacaaggca agtcacacct ttaaccttaa ctgaaattaa gcttttctct gaatgtctcc 300
ttgagctttg tccctctnnn tccccatcta tgcgagctac ataataccct gttcctccaa 360
gcccttcttc ccatttcccg agccttaacc gcaa 394

<210> 946
35 <211> 393
<212> DNA
<213> Arabidopsis thaliana

<400> 946
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tttaaaagaa caattaagac tctgaaaact ttttaatcct ccaccttctt tgcttagagc 180
tcgtcatggg cggcatcggt ttctctggct tccttggttt cctcggcctc cttggtttcc 240
tcagactttg attcattgtc tgagtcattc ccttcattgt catcatcttc tgcttcttcc 300
45 tcagcgtcgg attcagcagg agcatccttt gactcctctt cctctctctt cttctcagct 360
tcgtcaaagt ctgctttctc cgcatecttg tgc 393

<210> 947
<211> 393
50 <212> DNA
<213> Arabidopsis thaliana

<400> 947
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55 tcttcaaaat acagaaattc agaagcgaaa attacagttt tggtcagcta tacttttgcta 120
cagaaatgtc aaaggctttt tgatcagtag acttcaacgt tccattgtct tgcttcttcc 180
aactgcttct tgtaatcaaa ccagtcataa ccgtcatttg cagccaatga gaccataatg 240
tcatcaattc ctttctccat tcccttgagt ccacacatgt aaacaaaagt gttgtcttcc 300
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60 tctcctttat cgttcgcttg ttctctgctt atc 393

5

<210> 948
<211> 393
<212> DNA
<213> Arabidopsis thaliana

10

<400> 948
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acaacaaaaa atttgattaa cagtgaatgg atctgttcag tatcatcttg ccagctctca 120
tggaatttga accaaaagaa actataatta cggaactcag attccgtttg gtcggagagt 180
15 cgcacgcatt ggtttttttt tttcgttatt gtcaggaaaa aaaagagaag tattaagcat 240
gaaagatctg aatcaatctc ttaagctgct gactctttag cgatcttctc tgcctttgca 300
accacctcat cgatacctcc aaccatgtaa aacgattgtt cggaagatc atcgtacttg 360
ccatccaaca aaccttgaa actgttgata ttt 393

20

<210> 949
<211> 393
<212> DNA
<213> Arabidopsis thaliana

25

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

30

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gaaaaccctt gaaggaaatct tcgaatgcac ggaatcgctt acgcccattg gaaaagcctt 180
caaaggtacg tttcatantag caggaggata ttctagagaa gacgggaaca aggcgggtgga 240
35 agaggggaaga accgatcttg tggcttatgg acggccgctt ttggcgaatc cggatctgac 300
gaggagattc gaactcaatg agccgttgaa taggtacgat agatcaacgt tctacacttc 360
agatcctgta gtgggctata cagactaccc ttt 393

40

<210> 950
<211> 393
<212> DNA
<213> Arabidopsis thaliana

45

<220>
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<222> (1)...(393)
<223> n = A,T,C or G

50

<400> 950
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gcgactttga ccgtttggct gataacgtta agtcaggtaa agcatggaga gacgcgtgga 180
gaagcgctaa cgatggattc gagcaattcg tttttgaggc taagaaaacc gctgagcgaa 240
ttgatcgcca atacgctgtt tctcgccgct ttagctccgc tgctagctca gccgctgacc 300
55 gtgctcgtga gattgatcgt gagtttggga ttactcctnn ngttaggact gtctctgccg 360
atttcagtag aaatttcctt aagtacagga agc 393

60

<210> 951
<211> 393
<212> DNA

5 <213> Arabidopsis thaliana

<400> 951

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atgtcgccgc	tgaaaccgcc	gccgtcttag	ccgccgccgc	cattgtattc	agaaaatctg	120
atccttctta	ctccaaagtc	ctcctcaaac	gagccatcag	tgtttttgca	tttgccggaca	180
aatacagagg	aacttatagt	gcaggattaa	aacctgatgt	ttgtccattt	tattgctctt	240
actctggtta	tcaggatgaa	ttgttgtggg	gagctgcttg	gttacaaaaa	gcgacaaaaga	300
atthaaaata	tttgaattac	ataaaaatca	atggacaaat	ccttggagct	gctgaatatg	360
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15

<210> 952

<211> 393

<212> DNA

<213> Arabidopsis thaliana

20

<220>

<221> misc_feature

<222> (1)...(393)

<223> n = A,T,C or G

25

<400> 952

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ataccgtatg	atgatcacaa	aggattgcag	tttgcttcga	ttcttgaagt	gagagtcagc	120
aacgggtggc	ctgtgtcttc	cttaggtggc	aagaaactaa	gtgttgaaaa	ggcagactgg	180
gcggttctgc	ttctggcggc	ttcatctaac	tttgatgggc	catttactat	gcctgttgat	240
tctaagatag	accctgcaaa	ggaatgcgtt	aacagaatca	gctcagtcn	nnaataactcg	300
tactctgata	tttatgctcg	tcatttgggt	gactatcaga	aacttttcaa	ccgggtctct	360
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35

<210> 953

<211> 393

<212> DNA

<213> Arabidopsis thaliana

40

<400> 953

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cttacattac	gaaaagacaa	acgtatgaat	tatttacatt	agattaaagg	aaaaaaaaatg	180
aattttaaga	gttggtgtga	ctagaaaaac	ttagtaccgt	tccccacctg	cctcacttct	240
caacggcgaa	ttcactccat	ttctcaacgt	tctccggtga	ttttccggtg	aattcctcgg	300
cgacttggcc	gtgggagatg	gagacttggg	tgtcggagat	ggagacgacc	ggggatgatt	360
actttgttgt	tggtgatgat	gatgatgatg	act			393

50

<210> 954

<211> 393

<212> DNA

<213> Arabidopsis thaliana

<400> 954

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acacaacgta	tgatgcaaat	gggtgggttt	ggatttgatg	catcaaagag	tctgggtgca	180
gagaaggatg	gtttagacat	aatccagcac	gaatgggcac	tacctcgatt	tgagcagcgc	240
gcagaatctg	tattaagaaa	actcgtgaag	tagagagaaa	cacgataagg	ttttcagtga	300

5 aatctggttt acttcaactcg atgttgaaaa cattcgaact ttgtagaaac ttttacttga 360
aactgagtct taacagttag ttcttgtgtt tca 393

<210> 955
<211> 393
10 <212> DNA
<213> Arabidopsis thaliana

<400> 955
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15 attcatcacc aaatcatgta attactaata taaatatgca caaagaactt taacatatca 120
tcaccgtcga tcagatcgat ctatgaattt ttttctcagt aaagatcaag aacgtcaaag 180
atcgaacggt tacaagagg acacgtccca cgattcatcc aaatctctct tgaacaaact 240
ctacaatacg tatgtccaca gggaataaaa gccgcacctt tctctcttcc catacacaca 300
caacacagcg gatcattacc caaccacgtc gtcgtcgaat cacaaccgtc cgattccgca 360
20 agcaacctca tcaacggtac ctggcgccgc acc 393

<210> 956
<211> 393
<212> DNA
25 <213> Arabidopsis thaliana

<400> 956
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tacaatcaat tttggaggtc acactgataa caacgatatg aaagaatgag gaaaaactgt 120
30 tttcccatga tatctctctt ttgtctacac agcttcccgt gcaagggtcac aaacttgctc 180
tagctgaccc aagtcacatc gctcctgtat ggtgaatcga tcctacaagc tgtatgtatc 240
ttccaaaaac tcgggttacc tctgtttcct atagtgtaca aagactataa actcgacgca 300
gattctttcta tgtcttgatg cactgtagca ttcttcaatg tatgacatcg gaatcttgac 360
tgttttcggg tactgtatca ctgctatctt aag 393

35 <210> 957
<211> 393
<212> DNA
<213> Arabidopsis thaliana

40 <220>
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<222> (1)...(393)
<223> n = A,T,C or G

45 <400> 957
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tagctcatgg tgacggccca atcgtcttgg ttcttgtctc cactcgtgaa ctggctgtgc 180
50 agatacagca agaggcatct aaatttggtt catcctcaaa aattaagacc acttgcattt 240
atggtgggggt tccaaaaggc cctcaagtgc gtgatctcca gaaagggtgt gagatcgtta 300
tagctactcc tgggaggtta atagacatga tggagtcgaa caacacaaac ctacgaaggc 360
ttacttatct tgttttggat gaggctgatc gaa 393

55 <210> 958
<211> 393
<212> DNA
<213> Arabidopsis thaliana

60 <400> 958

5 atttactctt gcaattttat tatatgaaat gaaaagcata accaaaagga tagattgcat 60
 tggaatcaaa tgaaatcgga acaaacaaac aaaagaacat tttcaaggga aaaaattcca 120
 aataataaat tgattaaagt gacctcttat ataatgcatg caaaatcata atcatcatca 180
 tcataatatg atcatcacga tcagtatttg ggagtggcgg gggcagcctt gggaccagtg 240
 tagtagaaag gtccgacgct aaagagctcc aagttcttgt ccgggtagaa acggtatccg 300
 10 tacaacgcca agggaactcc tgtgagaccc ttgttaacat tggtcggggtt cttgcaagtc 360
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<210> 959

<211> 393

15 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

20 <222> (1)...(393)

<223> n = A,T,C or G

<400> 959

25 tttttttgac aaatctttgt tttcttactt ttggtaaact gttactactt gtgaatttca 60
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 gaaaanaaac tcaggggcaaa caatctttcc cctttgtaga caaaaangaa aattcgagtt 180
 tgaatctaaa ctatgcttgc tgcagtatcc tatacggggc tatcgaaatt ggcagattgt 240
 caccaggcct ttgcttagcc ttcagtatgc aaattgggtg gttgaattat agaaccacaag 300
 aatttggttg catctgcact gatcttgctg tgcttgatcat ctatatatat tcggcatgtg 360
 30 aacctttgtt tctgtctttt caagagatga ttg 393

<210> 960

<211> 393

<212> DNA

35 <213> Arabidopsis thaliana

<400> 960

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 40 atctcactcc gttcgtacgc ttcgtctctc taagaagcct cgagatctag cggattttcc 180
 tgatccagat aagatcgatc tcaactaaagc tgcacagttc catttcgaga tcttaacaat 240
 gtgtaaagag tatgatctct ttggcattga tgtgattgat gaggaaatca agtttggttac 300
 tgagattgga gagaaattga gatctgaagc tatgaagggt ttggagagag gcatggaagg 360
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<210> 961

<211> 393

<212> DNA

<213> Arabidopsis thaliana

50

<220>

<221> misc_feature

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<223> n = A,T,C or G

55

<400> 961

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 aagaaggaaa caattctcat gaaccagtca cgtttggtgt aaaccagaat gtggccgatg 180
 60 gtgagtccac acacaacacc aggtacgtag cctattgcag ctgctatcca gctaaatact 240

5 tgatcttctt cttccttggt ttcattctgt tcttgctttg ttgcttcttc ttctccacca 300
cattttttnnn ggagaggagc accgcaaagc cgggattct ctgtgaaaga agaactatct 360
tgggtttgaa tctgagtggg ttctgggtatt gga 393

<210> 962
10 <211> 393
<212> DNA
<213> Arabidopsis thaliana

<400> 962
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agaacaatca gctgaccata ttaaattctta cttaaataag tttcgaaaaa aaacagtggg 180
aactgctgtg aagtgaagctg tttagtcatt agcactgact catgagacca gcaaaaaaat 240
gttgctcttg agtgaagaga agacctgatt gttgactttc aaagacaaca catgacaatc 300
20 aatctgtttg gtaagctcat ggcgttttagt agttatgtga atatccatcc ctgattttca 360
cagtacagtg tgcagtatct tgtatgatga agc 393

<210> 963
<211> 393
25 <212> DNA
<213> Arabidopsis thaliana

<400> 963
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aaaagggaaa aagaatcatt ccctagtcag acaaattcaa gagcggcaga tacataacaa 180
ctcttgtaat tacaagaaaa ctaaaaagac aaattctttt tgttgttaga agaataaact 240
ctccaaacat taccagacca tcaaagagta tattaaaatg tacgaagatc taccaatctt 300
tattcaaggc tggatgatga atgattcgga aggcggatca ttgcgtggaa cgtaggttc 360
35 aggagacact accgggatat ccaagctggt tct 393

<210> 964
<211> 393
<212> DNA
40 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(393)
45 <223> n = A,T,C or G

<400> 964
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50 aagccattag agagttacaa ttacaacaaa gatgaagtta accaggtagt atgtaacgga 180
aggctgtctt ttcttgcttc tgcagatgat tccggcgatg ttaagatcat cgaccttggg 240
cagaaatgcc ttataaaaac ctttagagct ggtcacacaa gtgtatcctt acttctgttt 300
ttttacccat tctcgtctat gaaactctac tagnnnnnaa aaaatgtctc aaatcaacac 360
cttaatgaga catataagat atgtagttct gta 393

55 <210> 965
<211> 392
<212> DNA
<213> Arabidopsis thaliana

60

5 <400> 965
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gcaagtccgg tccagggttac gcgacgcctc tcgccgccat ggccgggtcca cgggaaaagc 180
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10 cgggtggatgt ggatccaagc tcaccacat tttcaagcgt cattcacaga ctaaaaatgc 300
catatatagg agatgagctt caccacactg gttggaactc ttgcagctct tgccatggtg 360
atgcttctgc tgatagacgt taccttgtct ta 392

<210> 966
15 <211> 392
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<213> Arabidopsis thaliana

<220>
20 <221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

<400> 966
25 aaagttggtg gaatctgatg agttgtgtat atgttggtgg tgttccggt gttgatgacg 60
gaggctccac tgaggaggca acgacggctg caaggactta accagatgaa tccaaaaatgt 120
gtggtgaagac cgctgaaata gtagatggtc ggtctaattg cgccgggtcc accgccagta 180
aggatccgaa agttaaacag gcaaaggctc gggagaactc tcatggaaca ggaatttcaa 240
ctgtgtgaac cggtagnatc catattgtga ggatattcaga aatgaacaat gatgggtctg 300
30 tgaagtcac taaagatgaa atggtgtgga agttgcatgt cccaattacg gaatttgacg 360
cacagcagca aagaatcctt gatttgaagt tc 392

<210> 967
<211> 392
35 <212> DNA
<213> Arabidopsis thaliana

<220>
40 <221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

<400> 967
45 cacgcgtccg aatatctctc tctctctctc tcgttgagtg tgtccatgaa ataatactct 60
gccagagaca gagagaaaga ctgtaacgga ggatgtggtg gcgaagtggc cactactgaca 120
cactggtttc atgatggtga accacaacaa tggccagcga cccactgata ttgattctcg 180
tctccgacag acagaacaag ataagctctt gttccatgac tttttaggct ccaagaatcc 240
tacttttagca tccacttcca tggctgacca taggtacca ccggataata aggcgggctaa 300
agcggcgatg actccttcca cggtcctgc ttnntccgcc ggtggactcg gcggtctctc 360
50 ctcaacctcc gatctcgctg aaagacacag cg 392

<210> 968
<211> 392
<212> DNA
55 <213> Arabidopsis thaliana

<400> 968
ttcggattgc ttccccttac tccgttcggc ttctgtcagt aaaacctatt tcaaatgtcg 60
atgatgcgaa gtttcgatct caggaagaag aagatcagtc cagttacgat cagaaaaacg 120
60 tatgcgaagc tctcacatgt tacagcaacg attggcaaaa ggcgttgagg tttttcaact 180

5 gggtcgagag agaatccgga ttcagacata ccaccgagac attcaatcgg gtgatcgata 240
 ttctgggagg ctattgatgc gtatgataaa ttggatgatt tcaatttgag agatgaaaca 300
 tcattttata atctgggcga tgcgctttgc gagcataaac atgtggttga agctgaagag 360
 ctttgttttg ggaagaatgt cattggtaat gg 392

10 <210> 969
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 969
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 aaccaaagc caagaaagat gttgctcctg ggaggttgat tgataacctat gctgcacagt 120
 gcgataactg tcacaagtgg aggggtgattg atagccagga ggaatatgaa gatatcagaa 180
 gtaaaatgct cgaggatcct ttttaactgctc agaagaaaca gggcatgtct tgtgaagagc 240
 20 ctgctgatat tgactacgat tcttctcggga cttgggtcat tgacaagcct ggtctcccca 300
 aaacgcctaa aggtttcaag agaagcttag ttctcagaaa agattactct aagatggata 360
 cctactactt tactcctacc gggaagaagc tc 392

<210> 970
 25 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

<400> 970
 30 tcaaggctga gtacccgatt ttcgacaagg ttgatgttaa cggtgacaaa gctgccccag 60
 tctacaagtt tctgaaatca agcaaaggcg ggctctttgg agacggcatt aagtggaaact 120
 tgcgaaagtt cttgggtgac aaagatggaa atgttgctga tcgtttcgca ccaactacct 180
 cacctctcag cattgagaag gatgtgaaga agttgtggg agttactgct taagcaaggc 240
 aagattgcat aattagacaa ataaaagctc attagtattg tattaccaat actgtgtagt 300
 35 aagctgagtt cgtgagtgtg tgcctttggg accgcgtaca attataatcc gtttttttagc 360
 ggccaaacta tgtaataatc gtagatctaa at 392

<210> 971
 <211> 392
 40 <212> DNA
 <213> Arabidopsis thaliana

<400> 971
 45 ttctggcgct cgagcggccg cccgggcagg tgaagaagag aaacaacaag aagaagtaat 60
 ggcttctctc atgctctcct ccaccgctgt ggttacctcc ccggctcaag ccaccatggt 120
 cgctccattc accggttga agtcatccgc ttctttcccg gtcacccgca aggccaacaa 180
 cgacattact tccatcacia acaacggagg aagagttagc tgcataagg tgtggccacc 240
 aatcgaaag aagaagtttg agactctatc ttacctccct gaccttagtg acgttgaatt 300
 ggctaaggaa gttgactacc ttctccgcaa caagtggatt ccttggtgtg aattogagtt 360
 50 ggagcacgga tttgtgtacc tcggccgcga cc 392

<210> 972
 <211> 392
 <212> DNA
 55 <213> Arabidopsis thaliana

<400> 972
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 acaaagaatt tgctaagtag tacaagattc agggtttccc cactcttaag attttgagaa 120
 60 atggagggaa gtcgggttaa gattacaacg gacctcgtga agctgagggg attgtcactt 180

5 atttgaagaa gcaaagtggc cctgcttctg ttgaaattaa gtcagctgat tctgccactg 240
 aggttggttg tgaaaagaat gttgttgctg ttggagtgtt ccctaaatta tccggggatg 300
 agtttgattc ttcatggcc cttgctgaga aattgcgtgc tgactatgat ttcgcacaca 360
 ctttggtatgc taagtctctt cctcgtggag ag 392

10 <210> 973
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 973
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 cgatggcgga ggatacgagc ttcgagggag accaactagc ttccatgact actgatgaca 120
 tcggtagagc ttctcgtctc ttagccaacg agattcgcct cctcaaggaa gaatcgcaga 180
 ggacaaacct tgatttgga tcaagtgaagg agaaaataaa ggagaaccag gagaagatta 240
 20 agcttaacaa acagcttcct tacttagttg gcaatatcgt tgagattctt gagatgagtc 300
 cagaggatga tgcagaggaa gatggagcga atatcgatct ggactctcag aggaaggga 360
 agtgtgtcgt tctaaaaaca tcaactcgtc ag 392

<210> 974
 25 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

<400> 974
 30 tcgagcggcc gcccgggcag gtaccagtta ctatacttgc atttgtctct agttgtttct 60
 tgatgaaact tggtaagtat tttggatgat gtgaaagatc agcatccatg atcacgacga 120
 aatcacccgt agcatgcttc aaaccatgaa tatatgcagt tcccaaacca agcttcttgg 180
 ctctagctct taaaaggata cggctcttcac catacaattg ctgcagttgc ttgacaattt 240
 cctgtgtgcc atcaggactc ccatcatcca caacaattat ctcaaaatca acgtcccga 300
 35 gatgcttgaa aatcaggtag actatgatag cgatgttgag gcgctcgttg taggtaggaa 360
 tgattatgct atacttgtac ctccggccgc ac 392

<210> 975
 <211> 392
 40 <212> DNA
 <213> Arabidopsis thaliana

<400> 975
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 45 atgaacgtcc attgacgttt ctgaggtaca acagagaagg agatctgctt ttctcctgag 120
 ccaaggacca cacaccacc ctctggtttg ccgataacgg cgagcgctt ggaacttacc 180
 gtggtcaca cgggtgctgt tgggtgctgt atgtctcccg agactcgtca agattgatca 240
 ctggtagtgc tgatcagact gcaaagctgt gggatgtaaa atctggaaaa gaattgttca 300
 ctttcaagtt taatgccct acgaggtctg tggatttcgc tgttgagat cgtcttgcag 360
 50 tgattaccac tgatcacttc gtggaccgta cc 392

<210> 976
 <211> 392
 <212> DNA
 55 <213> Arabidopsis thaliana

<400> 976
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 ggaaacctcc ttcagcttca gaagcttaac ccacaacgct tcttcgctgg atgggcaaaa 120
 60 aaatacggtc caatcttgct atacaggata ggaagcagaa caatggtggt gatattctca 180

5 gctgagctag ctaaagagct tctcaagacg caagatgtca actttgcgga cgggctcca 240
catcgtggcc atgagttcat atcctacggc aggcgtgaca tggcattaaa ccactacaca 300
ccgtattacc gagagataag gaagatgggg atgaaccact tgttctcacc aacacgtgtg 360
gccaccttta agcttgtagc tcggccgcga cc 392

10 <210> 977
<211> 392
<212> DNA
<213> Arabidopsis thaliana

15 <220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

20 <400> 977
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ctctgcactg tcttgctaac tgctgcagta catgtgcgtt aaacgagaat ctgtgttgct 120
ataaatccag atacattatc tcggccatta aacgtgaaca accaaaacaaa agcaaagaaa 180
aaagatgggt accaatctaa accagttgct gctagttagc tcctttatga aagagtgaat 240
25 aaaaaaattg gagtccggag gaagaatgca tagaancaac aatgaaaatg gttaattgtc 300
taactaagtt gagaaatatc aacctcatca gnnnncttga aggtatccgc agcaccaaac 360
tttctaaatt cttcgccttc agccactgag tc 392

<210> 978
30 <211> 392
<212> DNA
<213> Arabidopsis thaliana

<220>
35 <221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

<400> 978
40 tttttttttt ttctttaacc tttaaattgg caaaatacta tccaaggttc attaagggca 60
tcaacgatga ccaaacacaa actagagtca cagtgaagc aattttcaag aatccggacc 120
aattatcatc ttatcatttt gctttgagtt cttgattttc cttgatatta tcttcttcgt 180
ttgacattgc ttctctgttt tcgtctggac aatgggttac acctgcgtct atctctggtc 240
cctttagaat gatttnnct cttccgtttc ttagaactcg cattattctc ctctgctatg 300
45 acttcccaa ccaaatcatc ttcgaccatt ttacgaacga gaacatataa tctaggttct 360
gatgaactcg gctctagaaa gatctgtttt tg 392

<210> 979
<211> 392
50 <212> DNA
<213> Arabidopsis thaliana

<400> 979
gcgccgcgc aacagtctgg ttatgcttct tctggctctg actactctcc tcttagetta 60
55 aactctgatg ctccaggacc cactggaaag atagtcttta aactacttga taaagatcca 120
agtcagctcc ctgggactct acgatctgag atctataact ggctttcgaa cattccatca 180
gaaatggaga gttatatcag gcctggctgt gttgttctat ctgtttatgt agcaatgtca 240
cctgcagcct gggaacaact tgagcaaaaa ttgctgcacg ggcttggtgt tttgctacaa 300
aattctcctt ctgatttttg gagaaacgca agatttatag ttaacacggg aagacaactc 360
60 gcacacaca aaaatggtaa agttcgatgt ag 392

5
 <210> 980
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

10
 <220>
 <221> misc_feature
 <222> (1)...(392)
 <223> n = A,T,C or G

15
 <400> 980
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 tgtaatgggt acaagagaca gtgaaaatac tcttgctgct gttcaactaa ctgtggatct 120
 taagccaaat ctcccagctg aggagagag aataagaaag tgtcgaggac gagtggttgc 180
 20 tcttagagat gaacctgaag tttgtagagt ttggctgcca aattgtgact cacctggact 240
 tgctatggca cgtgcttttg gtgacttttg ccttaaagat tttggcctaa tctctgtgcc 300
 tgatgtatct ttccgtcagt taaccgaaaa agatgagttt atagtgttgg ctacagatgg 360
 gatttgggat gttctctcaa atgaagatgt ag 392

25
 <210> 981
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

30
 <400> 981
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 gaaggaacat ttcaaaaggc tttctggcaa agagcttcct atcagatccg ttcagattaa 120
 tgaaacaact gatctaaatg agctagtgtg aaaggaacct tggctctcgt ctgagaagct 180
 ggtggtgaaa cctgacatgt tgtttggaaa gcgtggcaag agtggtttgg ttgccttgaa 240
 35 attagatttt gctgatgttg ccacttttgt taaagaacgt ttgggaaaag aggtagagat 300
 gagtggatgc aaaggaccca taacaacatt catagtgtgaa ccatttggtc cacacaatga 360
 ggagtattat ctcaatgttg tctcgatcgc gc 392

40
 <210> 982
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

45
 <400> 982
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 tttttacttc ttcaagttct tgcagtctat tttctcgaca attttctctg aaaatcttta 120
 cgggaaagtt gttctcatca ctggtgcttc ctccggtata ggcgagcaat tggcatatga 180
 gtacgcatgt agagggtcat gtttagccct gaccgcccga aggaagaacc gtctagagga 240
 agtggcagag attgctcgtg aactcggatc tcccaatggt gttaccgttc atgctgatgt 300
 50 ctccaaacct gatgactgta gacgaatcgt tgatgacacc atcaccatt ttggcagatt 360
 ggatcatctt gtaaataatg ctgggatgac gc 392

55
 <210> 983
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

60
 <220>
 <221> misc_feature
 <222> (1)...(391)

5 <223> n = A,T,C or G

<400> 983

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tacaataatg	cacgaatcga	tatacaaata	tgaaaaaaac	aaattcaaaa	caagaaaact	120
10 tgcaagttac	aacaaataga	accattaata	atacagtact	cacactcaca	acgacaacgt	180
acgttctcgt	ttattattcg	atccacatat	atacgccaac	gtaaatacta	acaaaaacgac	240
atcgtcccat	tatccgcagc	aattaagagc	tttgtttctt	cttatgggca	cttgccggcgt	300
ccaccgtggg	tggtgaggct	agcgtnnnnc	tggcacttgt	cgtagtttcc	gtacgtaccc	360
15 ggaggcacac	agttgcacct	gtagcagcaa	g			391

<210> 984

<211> 391

<212> DNA

<213> Arabidopsis thaliana

20

<400> 984

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ttcattaaat	ctctaagaat	tcaaaaagaa	ttcggtaaat	aactttccca	aaaaaacact	120
aatattttgat	gtaagcaaca	gaagaagtgt	tggtatcttt	gataagtgtg	ccaagcagag	180
25 gagcaagcaa	acattttctg	tctttctctt	tgtagaagta	acccaaacac	ttgcaatcac	240
gacgcacttt	ggccttgcaa	tcgttcacag	aagttgggac	ttgtccatca	ttaacataag	300
gcccagtaaa	atgctcaaca	ccgactatct	tataataatt	gacagtttta	cccttgactc	360
cgctgcaaaa	ctgcgtcggt	ataggtgggt	c			391

30 <210> 985

<211> 391

<212> DNA

<213> Arabidopsis thaliana

35 <400> 985

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aaaagctaca	aactaagaca	ccagaaagct	taatcagtaa	attggtacaa	gttttttatca	120
aaatcaaate	ttctgaattc	tttagttaaa	cgtttcttct	catgtatgct	tttgtttctgt	180
aaaatagtat	cagcagcatt	gtccattgta	taactctggc	tcattgctat	attctgaact	240
40 cgttagcaga	tttacccttt	tccctctctt	ttcttcttct	tcttcttctt	cttctctttc	300
ttcagtggcc	tcagtctcgc	actctttatc	ggaatctgcc	atatggtcga	agaaatcacc	360
aaaataccac	ttacaatctt	ctttccattc	g			391

<210> 986

45 <211> 391

<212> DNA

<213> Arabidopsis thaliana

<220>

50 <221> misc_feature

<222> (1)...(391)

<223> n = A,T,C or G

<400> 986

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tcaatctcaa	accaataagg	attagtacga	aagttagaag	ttttgggtggg	aatcgagag	180
agccgaagga	ttcaagattt	gtcgatgaaa	atggcgtagt	tgatgaaatg	gaaggtttct	240
tagacaatct	ctctctcgaa	tacgactccg	tttgggacac	taaaccctct	tggtgtcagc	300

5 catggacgat aatgttaaca ggtttttcaa tagtggcntg tagctgggta atactacatt 360
 cggtcatagt ttctgcgctt gcggttggtg t 391

<210> 987
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 987
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 15 ttggtggttg catattagaa gcagccaata gagaacttta taagccagag gatttggcca 120
 aagaaattac tactcaagca aagcctgtga atagaattgg ttttattggt cttggagcaa 180
 tgggttttgg catggcagca cacctgttga aatcaaattt ttctgtctgt ggttatgacg 240
 tatacaagcc aacacttgtc agatttgaga atgccggggg attggcggca aattccccag 300
 ctgaagtgc gaaagatgta gatgttcttg taattatggt aacaaacgag gtccaggctg 360
 20 aggatgtctt gtatggacat cttggagcgg t 391

<210> 988
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

25 <400> 988
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 gaatgatcgt tcgaatcttc accacataga gtcttacttc tcattcatct taagacctct 120
 30 acattgagag gaaacaaagg ctggcttgaa tcctcctcgg gactaataac acttacacaa 180
 ctgatataata atctctgcaa ttttgtctga ggcgtatcgg tgcgggtgaa tgctgcagag 240
 tttttcatca ggcacttcga gaggattatt aaagggtgaa agattattgt atatagatag 300
 acctctttgt ttcttcagga ttctgatttc gcacaggca tgaaaacctt cattctctgt 360
 gactgtgcat catcaaacat gagtttctat t 391

35 <210> 989
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

40 <220>
 <221> misc_feature
 <222> (1) ... (391)
 <223> n = A,T,C or G

45 <400> 989
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 gtctgatgac aattggcaat ggacggattc acccccaga gtcgatggtt gggatagtga 180
 50 tcttgccgat gttgatctct atgatagga tgacgtagat tgggatggac aatattccag 240
 tgggaggaaa agaagatcag gtcgggattt tgtaatgagt gtcgattcct ttgccaggag 300
 acacaggaaa ccnngnatgg agacacaaga agatataaat caaagaatgc gttcagttga 360
 gttggctgtc aaagaagctc tctctgcacg a 391

55 <210> 990
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

60 <400> 990

5	cgattttctta	cgcgctcttt	ttgtggcgac	tgttgatatac	gcgcgagcct	tcattggacac	60
	gaaggcgggt	ggagtttcta	aggatacggc	ggcgtcgtat	gaagcgtcga	cgggtgtttcc	120
	tgggttttaa	ttctcgccga	cggatgtgga	ggtgatttcg	tattacctga	agcggaagat	180
	ggatggcttg	gagaggtccg	ttgaggttat	accggacctt	gagattttaca	atttcgagcc	240
	ttgggattta	cccataagt	cgattgtgaa	atctgatagc	gagtggttct	tcttctgtgc	300
10	gcgtgggaaa	aagtatccac	atggttcaca	gaacaggaga	gcaacgaaga	tgggatactg	360
	gaaagcaact	gggaaagagc	gtgatgtgaa	g			391

<210> 991

<211> 391

15 <212> DNA

<213> Arabidopsis thaliana

<400> 991

20	tttttttttt	tttttttaac	aacagaagat	gatcagattc	tagttttcac	aaagatgatg	60
	tttttttttg	tttcgtttaa	aacaagaccc	acttcatttg	gtcctgtctt	cagaaagtta	120
	aaaggacaca	aagagatgtc	tatcgaatca	tacatagaaa	ttaaggcaga	tttttttctt	180
	cataaagaga	taatttagta	ggtgggattt	tccatttagc	ccatggcata	cttctgagtc	240
	cagcttcgtg	cagtggactc	gtacttgttc	ttgtcagtct	tgtacatgtg	agctatctcg	300
	ggcaccaaaag	gatcatccgg	gtttggatcg	gttaacaaaag	aacagatcga	tagcagcacc	360
25	ttggaaatgg	tgagcgcagg	actccactgc	t			391

<210> 992

<211> 391

<212> DNA

30 <213> Arabidopsis thaliana

<400> 992

35	tcgagcggcc	gcccgggcag	gtctgtgtct	ctcttccccg	ttagtcttcg	tcgtgacctt	60
	ttttagtat	taagcaatga	agattaagac	gttatcaaga	tcggttgatg	aatacactcg	120
	agaaagaagt	caggatcttc	agagggctct	tcacaacttc	gacccaagtc	ttcgacctat	180
	ggagaaggcc	gtggaatacc	agagagctct	tacagctgcc	aaattagaaa	agatatttgc	240
	aaggccgttt	gttgagcaa	tgatgggtca	tcgtgatgga	gtctcatgta	tggcgaagaa	300
	cccaaattac	ctcaaaggaa	tcttctctgc	ttctatggat	ggagatattc	gcctttggga	360
40	tatctcttca	aggtgtacct	cggccgcgac	c			391

<210> 993

<211> 391

<212> DNA

<213> Arabidopsis thaliana

45 <400> 993

50	cacattacat	tattataact	taaaagaatg	tcaaataata	tgcacgcatac	catacataga	60
	ttatataggt	tataggatga	tacaaccata	catgaggatg	tatatcctca	taattcaact	120
	tattatggaa	cttgattaaa	agagtaattt	aagggaaagc	aacattagaa	tttgagatg	180
	aatcaaggga	taatttggag	aatctcctga	ggcttttctt	ggttaatgaa	gtgagccact	240
	ccttccatga	ccacaggctc	ttcaagcaaa	ggcacatctt	ccttaaactg	gggaccatgt	300
	atatattcct	tcacaccagg	catatagtag	accagatcaa	gctccccctat	cacaaacttt	360
	gtaggaaacct	ggattttgct	tcccacccat	g			391

55 <210> 994

<211> 391

<212> DNA

<213> Arabidopsis thaliana

60 <400> 994

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10	tgtcaacatt	cctaggatct	ttttcaactt	gatcaacaac	ttcgcgtagt	tgaggaaact	360
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